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THE ZOOLOGICAL RECORD

VOLUME 98 SECTION 17 1961

REPTILIA

COMPILED BY

MARCIA A. EDWARDS B.Sc.,

AND

PAULINE CURDS B.Sc.

LONDON

PUBLISHED BY

THE ZOOLOGICAL SOCIETY OF LONDON

PRICE TWELVE SHILLINGS

1963

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CONTENTS

PAGE

I. TITLES 3

II. SUBJECT INDEX 29

General, p. 27; Structure, p. 30; Physiology, p. 32; Reproduction and Sex, p. 34; Development, p. 34; Evolution and Genetics, p. 35; Ecology and Habits, p. 35; Venoms, p. 39; Geographical Distribution, p. 40; Palaeontology and Geological Distribution, p. 42

III. SYSTEMATIC INDEX 43

General, p. 43; Fossil Eggs, p. 44; Ichnites, p. 44; Anapsida, p. 45; Chelonia, p. 45; Ichthyopterygia, p. 50; Synaptosauria, p. 50; Lepidosauria, p. 50; Rhynchocephalia, p. 50; Lacertilia, p. 50; Serpentes, p. 63; Archosauria, p. 76; Crocodylia, p. 76; Synapsida, p. 78

I.—TITLES

The year of publication of a title is omitted from the reference where it is the same as the volume year of the 'Record' namely (1961.)

Anon. (1). *Agama stellio* [cover photo.]. Lacerta **19** : 58.

Anon. (2). *Chalcides ocellatus ocellatus.* Lacerta **19** : 66, cover photo.

Anon (3). The leathery turtle or luth. Oryx **6** : 116–125, 3 pls.

Anon (4). Venomous animals. J. Amer. Med. Assoc. **177** : 912.

Anon (5). *Pseudemys scripta elegans* [photo. on cover]. Lacerta **19** : 42.

Anon (6). Adder bites. Brit. med. J. No. 5239 : 1597.

Acolat, L. & Provost, L. Effets du pneumogastrique à l'état normal et après l'action de certaines drogues, sur le coeur chez quelques Ophidiens colubridés. Ann. sci. Univ. Besançon (2) Zool. et Phys. **16** : 3–31 26 figs. [English summary.]

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Adler, K. K. & Dennis, D. M. New herpetological records from Ohio II. J. Ohio herpet. Soc. **3** No. 2 : 17–22.

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Aliev, G. A. *see* Khalilov, A. G.

Alizade, A. A. *see* Khalilov, A. G.

Allen, R. *see* Neill, W. T.

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Asano, K. *see* Hanzawa, S.

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Brelih, S. *see* Bole, J.

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II.—SUBJECT INDEX

Reference to the "Titles" is by the name(s) of the author(s) printed in clarendon type.

GENERAL LITERATURE AND HISTORY

Text-books: General Works.—†Prehistoric reptiles, **Augusta & Burian;** †Summary of new reptiles previously described from the Jurassic and Triassic of Spain (with full references), **Bataller (1);** †Dinosaurs, their discovery and their world, **Colbert (3);** Loch Ness Monster, **Dinsdale;** †Palaeozoological studies, **Ehrenberg;** Catalogue of Austrian reptiles, **Eiselt in Strouhal,** Argentine zoological studies on reptiles since 1536, **Gallardo (2);** Reptiles; with numerous colour photo's, **Guibé;** Marine ecology, **Hedgpeth;** Handbook guide to the reptiles of Los Angeles, **Hill, H. R.;** † Phylogeny and palaeontology of reptiles, **Huene (2);** Treatise on marine ecology and paleoecology, **Ladd** [editor]; Vivarium life, **Leutscher (2);** Check list of reptiles from Canada and Alaska, **Logier & Toner;** †The world of ancient animals, **Orlov (2);** The snake in ancient times and today, **Shoshan;** Amphibians and reptiles of Illinois, **Smith, P. W.;** International code of zoological nomenclature, **Stoll, Dollfus, Forest et al;** Vanishing animals, preserving nature's rarities, **Street;** Snakes of Nyasaland, **Sweeney;** History of comparative anatomy, **Swinton (1);** Reptiles and amphibians, a general study, **Terent'ev;** †Palaeontology, **Termier, H. & G.;** †Stratigraphical handbook, **Thenius in Lotze.**

History.—†Of the study, collection and natural history of dinosaurs, **Colbert (3);** Vertebrate fauna of Sweden in the last 150 years, **Curry-Lindahl (1);** Argentine zoology, **Gallardo (2);** On Tonga's tortoise, **Lever;** Early history of comparative anatomy, **Swinton (1);** †Of *Chirotherium*, **Swinton (2).**

Obituary.—Gerard Krefft (1830–1881) portrait, **Whitley.**

Biography.—Prof. Dr. Robert Mertens, photo, **Menne (3);** Gerard Krefft, zoologist and palaeontologist in Australia, **Whitley.**

Bibliography.—On the use of arthropods in preparing vertebrate skeletons, **Banta (3);** †Papers on Pareiasaurians, **Boonstra (2);** Papers, in bibliography, relating to sea turtles, **Brongersma (3);** †Vertebrates 1949–1953, author catalogue, subject and systematic indices, **Camp & Allison;** Reptilia (46 snakes, 109 lizards and 4 chelonians) in the Museum of Genoa, **Capocaccia (1);** †On dinosaurs, **Colbert (3);** Of the reptiles of North Carolina, **DePoe, Funderburg & Quay;** Pertaining to reptiles of Austria, **Eiselt in Strouhal,;** †Type specimens of Japanese fossils; horizon, locality and repository, **Hanzawa, Asano & Takai;** Letters between F. A. Quenstedt and H. Burmeister 1855, **Hölder;** †Millerosauria to Choristodera, **Kuhn (4);** †Relating to the fauna of the Solnhofener shales, **Kuhn (5);** †Fossilium catalogus cont., **Kuhn (6);** †On reptiles of Colombia, **Porta;** †Of reptiles in Florida, **Ray;** Fictitious beasts, **Robinson;** Marine reptiles, **Schmidt, K. P.;** †And list of reptiles of Illinois, **Techter;** Of Gerard Krefft and his importance as a pioneer zoologist and palaeontologist in Australia, **Whitley;** Correction of a paper on *Typhlops* [Rev. Zool. Bot. Afr. **64** 1961: 183–4], **Witte (3);** Chronological list of papers by Young, C.-C. 1918–1957, **Young (4);** †Of marine reptiles dealing with all ecological aspects they encounter, **Zangerl (1);** Marine turtles, **Zangerl (2).**

Taxonomy.—Sea turtles, **Brongersma (3);** Of *Elaphe* on the Island of Amorgos, Cyclades, **Buchholz;** Taxonomic position of *Natrix sipedon insularum*, **Cliburn (1);** †Of dinosaurs **Colbert (3);** Reptile classification preliminary study, **Coomans, R.;** Of the cobras of SE Asia, **Deraniyagala (4);** Taxonomic history of the garter snake in N. America, **Fitch & Maslin;** Systematic study on *Anguis fragilis*, **Fuhn;** General systematics, **Fuhn & Vancea (1);** Preliminary notes on the taxonomy of *Tarentola annularis* & *T. ephippiata*, **Grandison;** Of *Vipera ursinii* and *V. kaznakovi*, **Kramer (3);** Reptile classification, **Kuhn (1);** †Sauropterygia, in particular *Simosaurus*, **Kuhn-Schnyder (4);** Modern systematic principles and methods, **Laurent (2);** Key to the dangerously venomous snakes of the Philippine Is., **Leviton (2);** Classification of the Testudinoidea, **McDowell;** Systematic position of *Chamaeleo gallus*, **Matthey;** Keys for the identification of Polish reptiles, **Młynarski (2);** †Hadrosaurian dinosaurs of North America, **Ostrom (1);** Taxonomic study of *Tarentola* in Africa, **Pasteur, (1);** *Lacerta lepida* Daudin taxonomic revision of the subgenus *Gallotia* Boulenger, **Peters, G.;** †Systematic position of the Rauisuchidae and *Saurosuchus*, **Reig (2);** Annotated checklist and keys to Hong Kong snakes, **Romer, J. D.;** Of the *Anolis homolechis* complex in Cuba, **Ruibal & Williams (2);** Of *Lacerta agilis*, *Eremias arguta* and *Vipera ursinii*, Danube delta, **Stugren (2);** Classification, identification and general information on snakes, **Sweeney;** Synonymy, classification and nomenclature of *Conopsis nasus*, **Tanner;** †Pliosaur classification, **Tarlo;** Generic affinities of *Euspondylus*, **Uzzell;** Of *Lacerta muralis muralis* in Roumania, **Vancea;** Relationships of the teiid genus *Ophiognomon*, **Vanzolini (4);** Key to species of the *mexicana* group of the genus *Lampropeltis*, **Webb (1);** Taxonomic notes on Arizona herpetozoa, **Williams, K. L. (1);** *Drepanodontis* new genus for *Hoplocephalus* = *Denisonia daemelii* Gunther, **Worrell (1);** Relationship of *Cnemidophorus* species, **Zweifel (1).**

Nomenclature.—Of *Eumeces multivirgatus gaigei*, **Axtell (3);** *Cnemidophorus inornatus*, the valid name for the little striped whiptail lizard, **Axtell (4);** On the original description of *Sceloporus undulatus*, **Banta (1);** Systematic status of geckonid lizards *Gehyra*, *Peropus*, *Hoplodactylus* and *Naultinus*, **Chrapliwy, Smith & Grant;** Generic reallocation of *Tropidodipsas leucomelas*, **Downs;** *Thamnophis c. cyrtopsis* considered a synonym of *T. d. dorsalis*, **Fitch & Milstead;** Proposal to suppress *dubia* (*Amphisbaena*) Rathke 1863, **Gans (1);** Proposal to suppress *reticulata* (*Amphisbaena*) Holmer 1787, **Gans (2);** On the name *Amphisbaena reticulata* Holmer 1787, **Gans (8);** Comment on the proposed suppression of *Testudo terrestris* Fermin 1765, **Holthuis;** Status of new reptiles described or collected by Loveridge, **Loveridge, A. (1);** *Amphiesmoides* a new genus for *Tropidonotus ornaticeps* Werner, **Malnate;** †Status of *Mystriosaurus senkenbergianus*, **Malz;** What is *Naja celebensis* Ahl ?, **Mertens (4);** *Leiolepis belliana* races, **Mertens (5);** Proposal to suppress eight specific names of turtles, **Mertens & Wermuth;** *Naultinus* and *Hoplodactylus* from New Zealand, **Myers, G. S.;** Revision of *Lacerta* (*Gallotia*) *lepida*, **Peters, G.;** Type locality restrictions in nomenclatorial procedure, **Peters, J. A. (2);** The status of *Typhlops silus*, **Richmond;** Annotated check list with keys to Hong Kong snakes, **Romer, J. D.;** Status of the neotropical subspecies of *Thamnophis sauritus*, **Rossman;** *Anilius* Oken 1816 proposed validation under the plenary powers, **Savage;** *Cerastes* Laurenti 1768 proposed suppression, **Schmidt, Pope & Loveridge;** International code of zoological nomenclature, **Stoll, Dollfus, Forest et al;** †*Chirotherium* Kaup. 1835, **Swinton (2);** Status of the Teiid lizards *Euspondylus strangulatus* and *E. festae*, **Uzzell;** Herpetological name changes proposed to explain their use in a handbook of Australian reptiles [to be published soon], **Worrell (3).**

Museums: Collections & Expeditions.—Live South African lizard display at Transvaal Museum, **Brain (1)**; Collection of snakes from Northern Rhodesia by H. J. Bredo, **Broadley & Pitman**; Reptilia (159 species and subspecies) types in Genoa Museum, **Capocaccia (1)**; Type specimens of reptiles in the United States National Museum, **Cochran**; †American museums in which dinosaurs are exhibited, **Colbert (3)**; Lund University Expedition to Kagera, Ruanda, **Curry-Lindahl (2)**; †Cleveland Museum of Natural History's expedition to recover the bones of *Haplocanthosaurus*, **Delfs**; Zoological specimens described by Linné in the Riks Museet Stockholm, **Deraniyagala (1)**; Lund University Chile expedition, list of reptiles collected, **Donoso-Barros (3)**; †*Ichthyosaurus* in the Bern Natural History Museum, **Furrer**; Collection of reptiles from Saudi Arabia, **Haas (2)**; †Dinosaur National Monument in NE Utah, **Hamilton, D. L.**; †Dicynodont skeletons in Tübingen Palaeontological Museum, **Huene (3)**; *Chelonia mydas* in Cleveland Aquarium, **Kelley, W. E.**; Reptilia in the " Jardin des Plantes " during 1960, **Nouvel, Strazielle & Chauvier**; Collecting trips to Mexico, lists of reptiles collected in 1950, 1951, **Peters in Brand**; *Lanthanotus borneensis* from Sarawak Museum, and the British Museum, **Pritchard**; List of species collected from the Ottine marshes, Gonzales Co., Texas, **Raun**; †*Pterandon ingens* reconstruction at the " Haus der Natur " Salzburg, Austria, **Tratz**; Machris expedition to Tchad, Africa, **Wake & Kluge.**

Zoological Gardens.—The giant land tortoise in zoological gardens, **Dowling (1)**; Reptiles in the Bronx Zoo, **Dowling (4)**; Pathologists' report for 1960, Zoological Gardens Regent's Park, **Fiennes**; Japanese Zoological Gardens, **Jones, M. L.**; Frankfurt Zoological Gardens, **Menne (2)**; Deaths of reptiles in the " Jardin des Plantes " during 1959, **Nouvel, Chauvier & Strazielle**; Reptilia in the " Jardin des Plantes " during 1960, **Nouvel, Strazielle & Chauvier**; Giant tortoises in the Berlin Zoological gardens, **Petzold (2)**; Check list of reptiles in the Kruger National Park, **Pienaar**; Faunal preservation and its problems, **Street.**

Vernacular Names.—For South African families of lizards, **Brain (1)**; Of Mexican Pacific coast turtles, **Carr, (1)**; Provençal and Niçois names of common French reptiles, **Knoepffler, L.-P. (2)**; Aboriginal reptile names in the three dialects represented at Jigalong, also the common and scientific names, **Lindgren**; Of reptiles in Canada and Alaska, **Logier & Toner**; Of reptiles in the Allegany State Park, **Stewart**; Of reptiles used by natives of Nondugl, Central Highlands of New Guinea, **Tyler (1)**; Common names of Saharan reptiles, pp. 464–465, **Valverde (1).**

Folklore: Beliefs.—Loch Ness Monster, **Dinsdale**; Bibliography of fictitious beasts, figs., **Robinson**; Folklore remedies suggested for snake bite, **Russell (3)**; Legends and folk lore about African snakes, snake charming notes, **Sweeney.**

Reviews and Comments.—Of Mertens and Wermuth, Amphibia and Reptilia of Europe, **Bogert**; Of Hellmich, W., lizards of the Gran Chaco and its periphery, **Gans (4)**; Of R. Gerlach, " Salamandrian World, Amphibians and Reptiles," **Gans (5)**; Of Mertens, R.; Reptiles and Amphibians, **Gans (6)**; Of M. T. Jollie, the head skeleton of a lizard, **Gans (7)**; Of Blair, F. The rusty lizard, **Lawrence**; West African Snakes by G. S. Cansdale (correction of " pythons " to " cobras " on the seventh line), **Pasqual**; Of Peters, J. A., Dipsadinae, **Rand (1)**; Of " Animals of West Africa " by G. S. Cansdale 3rd edit. 1961, **Rosevear (1)**; Of G. S. Cansdale, West African Snakes, **Steward (2)**; Of R. Mertens World of Amphibians and Reptiles, **Steward (3)**; The rusty lizard by Blair, W. F., **Tinkle (1).**

Food for Man.—Sea turtles, **Brongersma (3).**

STRUCTURE INCLUDING HISTOLOGY

Text-Books: General Works.—Reptilia, **Fuhn & Vancea (1)**; Reptile anatomy, **Terent'ev.**

General Structure.—Of *Coluber radiatus* and *C. melanurus*, **Bergman**; *Dendroaspis p. polylepis*, **Broadley (2)**; A new blackheaded snake from SW Texas, **Fouquette & Potter**; *Testudo graeca* and *T. hermanni* general anatomy, **Leutscher (1)**; Rudimentary limbs of Aniliidae, **Mlynarski & Madej**; Two sympatric Cuban anoles of the *carolinensis* group compared and contrasted, **Ruibal & Williams (1)**; General anatomy, photos., of newly hatched Galapagos tortoises, **Shaw (3)**; Function of the choanal rakers of *Chelonia mydas*, **Smith, H. M.**; Of *Euspondylus strangulatus* and *E. festae* and their affinities with *Neusticurus*, **Uzzell**; Redescription of *Scolecosaurus trinitatis* with figs., **Vanzolini (1)**; General characteristics of primitive and advanced geckos, **Werner**; General anatomical details of *Kinosternon flavescens* from Mexico, **Williams, K. L. (2).**

External Anatomy.—Characters separating *Chalcides ocellatus tiligugu* from *C. o. subtypicus*, **Bons**; Suggested function of ornamentation of East African chameleons, **Rand (2)**; Dorsal view of the head of female—and views of the escutcheon of male *Sphaerodactylus* from Cuba, **Schwartz, A.**; Cutaneous expansions of *Ptychozoon kuhli*, **Tiwari.**

Integument: Skin.—Scale pattern of a female *Arizona* from Aguascalientes State, Mexico, **Banta & Leviton (2)**; Impermeability of the skin as a guard against water loss in desert-living reptiles, **Chew, R. M.**; Anal plates and scutellation of *Natrix* and *Thamnophis*, **Conant (3)**; Scale counts from *Agama agama africana* from Suacoco, Liberia, **Daniel**; Subcaudal scale and dorsal blotch counts of hognosed snakes, **Edgren**; Pattern of stretched skin of *Thamnophis sirtalis fitchi*, *T. s. parietalis* and *T. s. ornata*, **Fitch & Maslin**; Enlarged photographs of dorsal skin of *Tarentola annularis* and *T. ephippiata*, **Grandison**; Pigments and their role in the skin of *Lacerta*, **Jovančić**; Squamation of *Gopherus flavomarginatus*, **Legler & Webb (2)**; Comparative chart of ratios, lengths and squamation of 62 paratypes of *Leptotyphlops muñoai* n.sp., **Orejas Miranda (2)**; Suggested function of ornamentation of East African chameleons, **Rand (2)**; Of *Typhlops silus*, **Richmond**; Scale numbers of a female *Eridiphas slevini* from Cerralvo Is., **Soulé**; Deposition of iron pigment in *Lacerta viridis* skin, **Stolk (4)**; Scale counts for Nyasaland snakes, **Sweeney**; A new subspecies of *Conopsis nasus*, **Tanner**; Cutaneous expansions of *Ptychozoon kuhli*, **Tiwari.**

Osteology.—†Cranial morphology of ichthyosaurs, **Appleby**; Phalangeal formula correction for *Stylemys*, **Auffenberg (1)**; †Skulls of some Tapinocephalidae, **Boonstra (1)**; †Morphological significance of the septo maxillary in mammal-like reptiles, possibly related to readaptation in the mode of smelling, **Brink (2)**; Skull structure of West African snakes, **Cansdale**; †Carpal region of *Homoeosaurus*, **Cocude-Michel (1)**; †*Poposaurus gracilis* new description and analysis, **Colbert (2)**; *Lepidochelys olivacea*, **Deraniyagala (2)**; Skeletal elements of the middle ear of *Holbrookia* and *Callisaurus*, **Earle (3)**; The chondrocranium of *Ptyodactylus* during development, **El-Toubi & Kamal**; †Cranial anatomy of *Thrinaxodon liorhinus*, **Estes (1)**; †*Daptocephalus leoniceps* from Escourt, Natal, **Ewer**; The Chelonian pectoral girdle, **Friant**; Feeding mechanism of snakes & lizards, **Gans (3)**; †Reptiles, **Huene (2)**; †Variation in size of Dicynodont skeletons, **Huene (3)**; The skull of *Gonotodes littoralis*, **Jain (1)**; The skull of *Python morulus morulus*, **Jain (2)**; †Sauropod limbs and girdles, **Janensch (1)**; †Comparative

osteology, **Kaiser**; Common characters of the geckonid chondrocranium and the development of the chondrocranium of *Hemidactylus*, **Kamal (1)**; Skull development and geckonid phylogeny, **Kamal (3)**; †Phalangeal formulae of *Tanystropheus longobardicus* are 2 : 3 : 4 : 4 : 3 (hand) and 2 : 3 : 4 : 5 : 4 (foot), **Kuhn-Schnyder (2)**; †*Simosaurus gaillardoti* skull, **Kuhn-Schnyder (4)**; *Gopherus flavomarginatus*, **Legler & Webb (2)**; Middle ear region and its evolution in Reptilia, **Lehman (1)**; Differences in cranial foramina between typical emydine and testudinine turtles, **McDowell**; Lack of hypapophyses on the vertebrae posterior to the heart region in *Tropidonotus*, **Malnate**; †Colubridae from Poland, **Młynarski (1)**; Morphology of Cheloniidae shells, **Młynarski (4)**; Aniliidae rudimentary limbs, **Młynarski & Made**; Reptile jaw mechanisms, **Olson**; †Permian Deinocephalia, **Orlov (1)**; †Skull form of North American hadrosaurs, **Ostrom (1)**; †Labyrinthodont middle ear with regard to reptilian evolution, **Parrington (1)**; †Evolution, structure and function of the dentary, **Parrington (2)**; †Detailed morphology of two Jurassic turtle skulls from the Portland limestone and the Solenhofen. [Names not assigned to the skulls], **Parsons & Williams**; Annual growth zones in vertebrates, **Peabody**; Skull and temporal region of *Mabuya dissimilis*, **Prasad (1)**; *Lygosoma indicum indicum* skull, **Prasad (2)**; Skull of *Chamaeleon zeylandicus*, **Prasad (3)**; Skull of *Gavialis gangeticus*, **Prasad (4)**; Effect of oestrogens on bone structure of *Chrysemys* and *Gopher*, **Simkiss**; †Aquatic reptiles, **Struve (1)**; †Diagnostic characters of Pliosaurs, **Tarlo**; †The lateral pubic tubercle and the pelvic attachment of the ambiens muscle in early therapsids, **Vaughn**; Cranial anatomy and kinesis of *Thelotornis capensis*, **Visser**; †Basicranial articulation of early Permian cotylosaurs, **Warren**; *Drepanodontis* gen. nov. Elapidae, **Worrell (1)**.

Exoskeleton.—Variations in turtle shells, **Brongersma (3)**; Carapace pits in *Terrapene carolina triunguis*, **Carpenter (1)**.

Dentition.—Apparent failure of tooth replacement in monitor lizards, **Bellairs & Miles**; Ontogenetic increase in teeth of *Tarentola annularis* and *T. ephippiata*, **Grandison**; †Mososaur tooth marks found on a Cretaceous ammonite, **Kauffman & Kesling (1)**; High tooth count for *Tropidonotus ornaticeps*, **Malnate**; Replacement of teeth in the Nile crocodile, **Poole**; †*Nothosaurus mirabilis* teeth, Triassic, **Vialli**.

Muscles: Myology.—Evolution of trunk musculature in snakes, **Auffenberg (2)**; Feeding mechanisms of snakes and lizards, **Gans (3)**; Myology of the pelvis and hind limbs, **Kriegler**; Postembryonic multiplication of muscle fibres in *Lacerta agilis*, **Lobyntsev**; Caudal musculature of *Ptyas mucosus*, **Majupuria (1)**; Reptile jaw mechanisms, **Olson**; †Myology of North American hadrosaurs, **Ostrom (1)**; Pericardial extension of lung muscle in some turtles, **Shah**; †The pelvic attachment of the ambiens muscle in early therapsids, **Vaughn**; Musculature of the head of *Thelotornis* in relation to cranial kinesis, **Visser**.

Circulatory System.—Arterial system of *Varanus monitor*, **Bhatnagar, S. P.**; Intercostal arteries of some snakes, **Brongersma (1)**; Hypophysial vascular system, **Enemar**; Anatomy of the heart in the Trionychidae, **Girgis (1)**; The reptilian heart, **Kashyap, K. V.**; Circulatory system of *Natrix piscator*, **Kashyap & Velankar**; Circulatory systems in the *Agama* brain, **Klossovsky & Balashov**; Lymphoid tissue in *Eumeces*, **Kotani**; Evolution of the circulatory system, **Lehman (1)**; *Crotalus atrox* vascular histology, **Lhotka & Allen**; Major arterial canals in the ear-region of testudinoid turtles, **McDowell**; †Cranial circulation of hadrosaurs of North America, **Ostrom (1)**; Purkinje fibres in the heart of *Crocodylus porosus*, **Prakash & Mowar (1)**; Atrioventricular bundle in the heart of *Uromastyx hardwickii*, **Prakash & Mowar (2)**; Heart of *Draco dussumieri* with special reference to the conducting system, **Prakash & Raghavaiah**; Presence of atrioventricular bundle in the heart of *Varanus monitor*, **Prakash & Sahai**; Heart, *Mabuya carinata*, **Rastogi (1) & (2)**; Air-blood barrier in *Testudo* lung, **Renzoni**; Staining of Heinz bodies and reticulocytes in *Uromastyx* after Iproniazid treatment, **Stolk (5)**; Blood cells of *Pseudemys*, **Taylor & Kaplan (1)**; Turtle blood cell histology, **Taylor & Kaplan (2)**.

Alimentary System.—*Uromastyx aegyptia* anatomy and histology, **El-Toubi & Bishai**; Intestinal flora of reptiles, **Fulton, Szafran & Lesko**; Mucinogenesis in goblet cells, **Kanwar (1)**; Mitochondria of the small intestine, **Stanbury**.

Respiratory System.—Oral respiratory system, villiform processes and pharyngeal blood supply *Trionyx*, **Girgis (2)**; Pulmonary alveoli of *Testudo hermanni*, **Renzoni**.

Nervous System.—Nervous supply to the middle ear of *Holbrookia*, **Earle (2)**; Ascending tracts in the spinal cord of *Lacerta viridis*, **Goldby**; Nerves supplying the muscles of the pelvis and hind limbs, **Kriegler**; Rich innervation of the *truncus arteriosus*, probably pressoreceptive, **Muratori**; †Neurology of North American hadrosaurs, **Ostrom (1)**; Purkinje fibres in the *Crocodylus* heart, **Prakash & Mowar (1)**; Impulse initiating and conducting structures in the heart of *Uromastyx hardwickii*, **Prakash & Mowar (2)**; *Draco dussumieri* heart with special reference to the conducting system, **Prakash & Raghavaiah**; Purkinje fibres and cells in the heart of *Varanus monitor*, **Prakash & Sahai**; Cerebellar nuclei and their homologization, **Rüdeberg**; Anatomical and histological study of the differences in the hypophysis of snakes and lizards, **Saint Girons, H. (3)**; Pigment bodies of spinal neurones, **Sharma (1)**; Of *Hemidactylus* ageing spinal neurones, **Sharma (2)**; Morphological studies on spinal neurones of *Uromastyx*, **Sharma (3)**.

Excretory System.—General reptilian study, **Gabe & Martoja**; Morphology and histology of *Ptyas mucosus* cloaca, **Majupuria (3)**; Urinogenital organs of *Gekko gecko*, **Nair**.

Reproductive System.—Testes and spermatozoa of *Holarchus*, *Psammophis* and *Python*, **Boisson**; Genitalia of ♂ and ♀ and embryonic *Lacerta*, **Dufaure (1)**; Experimental study of penis development in embryonic *Zootoca*, **Dufaure (2)**; Presence of copulatory organs in ♀ *Bothrops insularis*, **Hoge, Belluomini, Schreiber & Penha**; *Gopherus flavomarginatus*, **Legler & Webb (2)**; Testis lipids of the Caspian terrapin, **Lofts & Boswell**; Hemipenes of *Ptyas mucosus*, **Majupuria (2)**; *Lissemys punctata*, chelonian type of genitalia, **Majupuria (5)**; Urinogenital system of *Gekko gecko*, **Nair**; Electron microscope study of *Lacerta* ovarian follicles, **Porte & Zahnd**; Modifications of ovary of *Anguis fragilis* during gestation, **Reynaud, A. & J. (1)**; †Microscopic anatomy of dinosaur eggs, **Schwarz, Fehse et al.**

Glands.—*Crotalus atrox* histology fundic glands, **Allen & Lhotka, jr. (1)**; *Xenodon merremii* pancreas, **Cardeza (1)**; Modification of the islets of Langerhans of *Xenodon*, **Cardeza (2)**; Cytology of the pituitary during the development of *Zootoca*, **Grignon, G. & M.**; Hypophysial modifications during the reproductive cycle of *Testudo*, **Herlant & Grignon (2)**; Zymogen secretion in the acinar cells of *Uromastyx* pancreas, **Kanwar (2)**; Seasonal variation in the structure of the adrenal gland of *Vipera aspis*, **Martoja, Duguy & Saint Girons**; Pancreatic islets, histological study, **Miller, M. R.**; Pancreas of *Testudo chilensis*, **Serna de Esteban (2)**.

Sense Organs.—Eye shape in Hilary's sideneck turtle and the spectacled caiman, **Atz**; Sensory areas, saccule and cochlea in burrowing snakes, **Baird**; Eyelid accretion in lizards, **Darevskii (3)**; Sense organs of snakes particularly with respect to their nocturnal habits, **Dowling (2)**; Anatomy and function of the "pineal eye," **Duroux & Vacogne**; Parietal eye of *Sceloporus* and *Xantusia*, **Eakin & Westfall**; Middle ear of *Holbrookia m. maculata*, **Earle (1) & (2)**; Middle ear of *Holbrookia* and *Callisaurus*, **Earle (3)**; Evolution of the external ear, **Ilyichev**; †Sensory and responsive functions of hadrosaurs from N. America, **Ostrom (1)**; *Amphisbaena vermicularis darwini* tongue, **Serna de Esteban, (1)**; Parietal eye of reptiles, **Streble.**

Special Structures.—Anatomy and function of the "pineal eye," **Duroux & Vacogne**; Parietal eye of *Sceloporus* and *Xantusia*, **Eakin & Westfall**; Structures associated with egg-eating habit of *Dasypeltis*, **Shaw (1)**; Function of the choanal rakers of *Chelonia mydas*, **Smith, H. M.**; The epithalmic and subcommissural organs, **Steyn.**

Cytology.—Pulmonary eosinophilia in reptiles, **Dokov**; Histology of the supra renal gland of various reptiles, **Gabe & Martoja**; The pituitary of *Zootoca* during embryonic development, **Grignon, G. & M.**; Histochemical study of the cytoplasmic inclusions in spermatogenesis of the Krait, **Guraya (2)**; Morphology of cytoplasmic inclusions in relation to mucinogenesis in goblet cells, **Kanwar (1)**; Inclusions in the acinar cells of *Uromastyx* pancreas, **Kanwar (2)**; Seasonal changes in distribution of testis lipids of *Clemmys caspica*, **Lofts & Boswell**; Morphology and histology of *Ptyas mucosus* cloaca, **Majupuria (3)**; Adrenal histology in *Vipera aspis*, **Martoja, Duguy & Saint Girons**; Chromosomes of *Chamaeleo gallus*, **Matthey**; Morphological studies on spinal neurones of *Uromastyx hardwickii*, **Sharma (3)**; Golgi-bodies and mitochondria in sperm forming cells of *Calotes*, **Sud (1)**; Acrosome-formation in *Uromastyx hardwickii*, **Sud (2)**; Study on the chromatoid bodies of male germ cells, **Sud (4).**

PHYSIOLOGY

Nutrition and Digestion.—Potential differences in the intestinal epithelium of *Testudo hermanni*, **Baillien & Schoffeniels**; Analysis of stomach and intestinal contents of *Agama agama africana*, **Daniel**; Feeding mechanisms of snakes and lizards, **Gans (3)**; Chitinolytic enzymes in vertebrate digestive juices, **Jeuniaux**; Protein and RNA in the gland cells of reptile stomachs, **Romanini (2).**

Circulation.—Effect of drugs on colubrid heart physiology, **Acolat & Provost**; Pulmonary eosinophilia in reptiles, **Dokov**; Comparative study of blood coagulation in vertebrates, **Fantl**; Blood analysis and distribution of blood in arterial arches of Trionychidae, **Girgis (1)**; Scheme for blood coagulation mechanism in *Trachysaurus rugosus*, **Hackett**; Erythropoiesis in *Pseudemys*, **Hirschfeld & Gordon**; *Leptospira*-agglutinating factors in *Clemmys* sera, **Hoeden, Szenberg & Evenchik**; Seasonal variations in the composition of *Vipera aspis* blood, **Izard, Detrait & Boquet**; Metachromatic staining anticoagulant in *Pseudemys* plasma, **Jacques & Musacchia**; Electrophoresis of turtle sera, **Leone & Wilson**; Action potentials in turtle arteries and veins, **Roddie & Kirk**; Blood composition, thyroid state and their variations during moulting cycles in *Vipera berus*, **Saint-Girons, M-C.**; Morphological and cytochemical studies on erythrocytes, **Shinagawa**; Dehydrogenase systems in the erythrocytes of reptiles, **Stolk (3)**; Blood cells of *Pseudemys* **Taylor & Kaplan (1)**; Determination of the total blood volume of the turtle by radioisotopes, **Wilson, Hansard & Cole.**

Respiration.—Pharyngeal respiration and oxygen consumption in *Trionyx*, **Girgis (2)**; Effect of temperature and CO_2 on *Lacerta* respiration, **Nielsen, B.**; Regulation of respiratory mechanism, **Serfaty & Peyraud.**

Nervous System.—Neurosecretion in thyroidectomized *Emys leprosa*, **Aron, Combescot, Demaret & Guyon**; Experimental study of ascending tracts in *Lacerta viridis* spinal cord, **Goldby**; Histochemistry of cytoplasmic inclusions in ageing spinal neurones, **Manocha & Sharma**; Neurobiological studies on glycogen distribution in the central nervous system, **Masai**; Rich innervation of the *truncus arteriosus*, probably pressoreceptive, **Muratori**; Nervous control of respiratory mechanism, **Serfaty & Peyraud**; Histochemical study on pigment bodies of spinal neurones, **Sharma (1)**; Cytochemical studies on spinal neurones of *Uromastyx hardwickii*, **Sharma (3).**

Secretions.—Polysaccharide localization in *Crotalus* fundic glands, **Allen & Lhotka, jr. (2)**; Neurosecretory changes in ♀ *Emys* at the onset of puberty, **Combescot, Demaret & Guyon**; Secretions of the epididymis of various reptiles, **Furieri**; Histology of macrothyrocytes and thyroid activity, **Gabe**; Secretion of FSH by the beta cells of the *Testudo* pars distalis, **Herlant & Grignon (1)**; Pancreatic amylase activity in *Uromastyx aegyptia*, **Hussein (1)**; Mucinogenesis in goblet cells of *Hemidactylus*, **Kanwar (1)**; Quantitative study of *Vipera palaestinae* venom secretion, **Kochva**; Endocrine secretion in embryonic *Anguis fragilis*, **Raynaud, A. & J. (2)**; Neurosecretory fibres in the *pars nervosa* of snakes and lizards, **Saint Girons, H. (3).**

Excretions.—Urine water-loss in desert reptiles, **Chew, R. M.**; Urine dehydration in *Uromastyx*, **Seshadri.**

Hormones.—Histology of the endocrine glands of the pancreas in *Vipera aspis*, **Agid, Duguy & Saint-Girons**; Thyroid stimulation following epiphysectomy in *Emys*, **Aron, Combescot & Demaret**; Thyroid gland activity and production of macrothyrocytes, **Gabe**; Hormone secretion by the para distalis of *Testudo mauritanica* hypophysis, **Herlant & Grignon (1)**; Endocrine effects of exogenous insulin, **Miller, M. R.**; Effect of castration on experimental liver lesion in *Iguana*, **Stolk (1).**

Regeneration.—Of *Lacerta viridis* and *L.* (*Podarcis*) *muralis* muscle, **Filogamo & Marchisio**; *Cnemidophorus* with a regenerated bifurcate tail, **Forbes**; Of the tail in lizards, **Goss**; Induction of limb regeneration in *Lygosoma* by augmentation of the nerve supply, **Simpson**; *Anolis carolinensis* nerve supply augmentation inducing hind limb regeneration, **Singer (1)**; Induction of regeneration in *Anolis*, **Singer (2).**

General Metabolism.—Anaerobic metabolism and cytochrome c in the heart of turtle, **Biörck & Paléus**; Of trihydroxycoprostanic acid formed from alligator cholesterol, **Briggs, Whitehouse & Staple**; Uricoteliam versus ureotelism, **Chew, R. M.**; Pathological histology of *Amyda japonica* showing abnormal lipid metabolism, **Fukuda & Kimura**; Proteic secretions of the epididymis of several reptiles, **Furieri**; Of *Lanthanotus borneensis*, **Harrisson**; Effects of temperature and body size on heart rate and O_2 consumption in *Pseudemys* spp., **Hutton, Boyer et al**; Effect of pancreatectomy, hypophysectomy and adrenalectomy on carbohydrate metabolism, **Miller, M. R.**

Biochemistry.—Glycaemia levels in the liver of *Vipera aspis*, **Agid, Duguy & Saint Girons**; Electrophoretic patterns of alligator serum proteins, **Baril, Palmer & Bartel**; Reptilian serine ethanolamine phosphodiester, **Beatty, Ennor, Rosenberg & Magrath**; Alligator cholesterol and conversion to cholic acid, **Briggs, Whitehouse & Staple**; *Xenodon merremii* pancreas, **Cardeza (1)**; Pulmonary eosinophilia in reptiles, **Dokov**; Abnormal lipid

metabolism in *Amyda japonica*, **Fukuda & Kimura**; Histochemistry of the adenohypophysis, **Gabe & Saint Girons**; Histochemistry of oocyte lipids, **Guraya (1)**; Histochemistry of *Bungarus* spermatogenesis, **Guraya (2)**; Blood coagulation mechanism in *Trachysaurus rugosus*, **Hackett**; Comparative study of *Bitis* bile acids, **Haslewood**; Enzymatic constitution of *Alsophis* saliva and its biological implications, **Hegeman**; Histochemical and physiological study of the pars distalis of *Testudo*, **Herlant & Grignon (1)**; Biochemical study of *Crotalus atrox atrox* venom, **Jiménez-Porras**; Mucus synthesis in goblet cells of *Hemidactylus*, **Kanwar (1)**; Polysaccharide histochemistry of *Crotalus atrox*, **Lhotka & Allen**; Lens proteins in the eye, **Maisel & Langman**; Glycogen distribution in the central nervous system, **Massi**; Carbohydrate metabolism, **Miller, M. R.**; Protein and RNA content of stomach gland cells, **Romanini (2)**; Nature of rattlesnake venom, **Russell (2)**; Incision and suction following injection of rattlesnake venom, **Russell & Emery (1)**; Histochemistry of glucides of the genitalia of vipers during the reproductive cycle, **Saint Girons, H. (1)**; Histochemical study of *Natrix* liver, **Schmidt, F. C.**; Cytochemical study of ageing spinal neurones of *Hemidactylus*, **Sharma (2)**; Studies on erythrocytes, **Shinagawa**; Dehydrogenase systems in erythrocytes of reptiles, **Stolk (3)**; Histochemistry of chromatoid bodies of *Natrix natrix*, **Sud (5)**; Cell and nuclear size of *Pseudemys* blood cells, **Taylor & Kaplan (1)**; Precipitating antibodies in the carpet snake against nematodes, **Timourian, Dobson & Sprent**; Cytophysiological analysis of muscle fibre reaction to urea, **Ushakov & Krolenko**.

Colouration.—*Storeria* populations distinct on the basis of colour pattern and scutellation, **Anderson, P. K.**; Colour patterns and colour changes in *Agama*, **Daniel**; Pigmentation and colour patterns of snakes and lizards, **Fioroni**; Procryptic colouration in *Dasypeltis*, **Gans (9)**; Haemochromatosis in *Lacerta viridis*, **Stolk (4)**.

Muscular Activity.—*Lacerta viridis* and *L.* (*Podarcis*) *muralis*, regeneration of motor end plates, **Filogamo & Marchisio**; Importance of shoulder muscles of Chelonia in respiratory movements, **Friant**; Effect of ryanodine on muscle, **Haslett & Jenden**; Activity of smooth muscle in blood vessels of the turtle, **Roddie & Kirk**; Functional significance of pericardial extension of lung muscle in turtles, **Shah**; Reaction of muscle fibres under the influence of urea, **Ushakov & Krolenko**.

Body Temperature.—Influence of temperature and endocrine factors on glycoregulation in *Vipera aspis*, **Agid, Duguy et al.**; Temperature of the environment influencing growth and hatching in *Natrix*, **Anasiewicz & Miczulski**; Influence of body temperature on motor ability in *Dipsosaurus* and *Callisaurus*, **Belkin**; Influence of temperature on behaviour and physiology of reptiles, **Brattstrom (3)**; Heat gain in green turtle nests, **Carr & Hirth**; *Testudo hermanni* thermal behaviour, **Cherchi**; Thermoregulatory behaviour in *Morelia spilotes variegata*, **Cogger & Holmes**; Thermoregulation in the Nile crocodile, **Cott**; Heat sensitivity and body temperature in snakes, **Dowling (2)**; Effect of low temperatures on embryonic garter snakes, **Fox, Gordon & Fox**; Influence of temperature on pancreatic amylase activity of *Uromastyx*, **Hussein (2)**; Temperature as a governing factor for venom yield in *Vipera palaestinae*, **Kochva**; Critical thermal maximum of *Sceloporus o. occidentalis*, **Larson**; Metabolic response to thyroxine in *Lacerta* dependent on environmental temperature, **Maher**; Temperature control of *Cnemidophorus* activity, **Milstead (1)**; Thermal relations of five Cuban species of the genus *Anolis*, **Ruibal**; Body temperature studies in South African lizards, **Stebbins**; Thermoregulation in present day and Mesozoic reptiles, **Strelnikov**; Temperature responses in two Australian skinks, **Wilhoft**.

Seasonal Changes.—Hypophysial modifications during reproductive cycle of *Testudo*, **Herlant & Grignon (2)**; Testicular histology and seasonal changes in *Sceloporus occidentalis*, **Wilhoft & Quay**.

Experimental Studies.—Colubrid heart physiology, **Acolat & Provost**; Destruction of the hypophysis and subsequent results in *Emys*, **Aron, Combescot & Demaret**; Neurosecretion in thyroidectomized *Emys leprosa*, **Aron, Combescot, Demaret & Guyon**; Electrophoretic analysis of young alligator serum, **Baril, Palmer & Bartel**; Nitrogen anoxia in the turtle heart and presence of cytochrome *c*, **Björck & Paléus**; Abnormal spermatogenesis in *Holarchus*, *Psammophis* and *Python*, **Boisson**; Influence of temperature on reptile physiology, **Brattstrom (3)**; Modification of the islets of Langerhans by glucagon treatment, **Cardeza (2)**; Separation of phospholipase A from *Pseudechis porphyriacus* venom, **Doery & Pearson**; Action of sex hormone injections on penis development in embryonic *Zoothoca*, **Dufaure (2)**; Reaction and feeding behaviour of snakes in relation to olfactory and visual stimuli, **Dullemeijer**; Direction training, learning behaviour and compass orientation in *Lacerta*, **Fischer, K.**; Experimental sex reversal and Mullerian duct hypertrophy in *Crocodilus niloticus*, **Godet**; Effects of temperature and body size on heart rate and O_2 consumption in *Pseudemys* spp., **Hutton, Boyer et al.**; Immediate reaction of *Pseudemys* to x-irradiation, **Krebs**; Experiments to test the level of the critical thermal maximum of *Sceloporus*, **Larson**; Electrophoresis of turtle sera, **Leone & Wilson**; Association (in culture) between *Lacerta* ovary and chick testis, **Lutz-Ostertag & Dufaure**; Metabolic response to thyroxine of *Lacerta muralis*, **Maher**; Determination of lens proteins in the turtle eye, **Maisel & Langman**; Activation of mitochondrial adenosinetriphosphatase by cobra venom, **Menon & Braganca**; The apical cap and limb bud development, **Milaire**; Effect of nutritional status, glucose administration and temperature on blood sugar, **Miller, M. R.**; *Lacerta* regulation of respiration, **Nielsen, B.**; Experimental ulcerative stomatitis in King snakes, **Page**; Transmembrane action potentials from turtle smooth muscle of arteries and veins, **Roddie & Kirk**; Reversible block of axonal conduction by curare after treatment with cobra venom and a detergent, **Rosenberg & Ehrenpreis**; Effect of oestrogens on bone structure of *Chrysemys* and *Gopher*, **Simkiss**; On the role of cloacal bursae in hibernating turtles, **Smith & Nickon**; Body temperature studies in South African lizards, **Stebbins**; Action of gonadotrophins on immature testes of *Emys*, **Stefan**; Effect of castration on experimental liver lesion in *Iguana*, **Stolk (1)**; Sperm movements of *Hemidactylus flaviviridis* under phase-contrast microscopy, **Sud (3)**; Antibody precipitation in *Morelia* against parasitic nematodes, **Timourian, Dobson & Sprent**; Cytophysiological analysis of the reaction of muscle fibres under the influence of urea, **Ushakov & Krolenko**; *Alligator mississippiensis* analysis of thyroid activity, **Waterman (1)**; *Pseudemys scripta* thyroid stimulation, **Waterman (2)**; Electrocardiogram time relations, **Wilber**; Radio isotope determination of the total blood volume of turtles, **Wilson, Hansard & Cole**.

Laboratory Technique.—Restraining turtles for physiological experiments, **Barbour & Kaminskis**; Examination of alligator serum by free boundary, starch block and cellulose acetate strip electrophoresis, **Baril, Palmer & Bartel**; Extraction and assay of metachromatic staining substance in turtle blood, **Jacques & Musacchia**.

Osmotic Relations.—Water metabolism of desert reptiles, **Chew, R. M.**; Dehydration of urine for water conservation in *Uromastyx*, **Seshadri**.

Reproduction.—*Testudo mauritanica* reproductive cycle, hypophysial modifications, **Herlant & Grignon (2)**; Histochemical study of the reproductive organs of *Vipera* during the reproductive cycle, **Saint Girons, H. (1)**.

REPRODUCTION AND SEX

Reproduction.—Mating in *Chamaeleo dilepis*, **Attwell**; Photoperiodism and the reproductive physiology of reptiles, **Bartholomew**; *Coluber radiatus* fertility, **Bergman**; Of the Atlantic and Pacific Ridley turtles, **Carr (2)**; General notes on snakes, **Conant (4)**; Oestrone and oestradiol appear to have a feminizing action on the gonads of reptile embryos, **Dodd, J. M.**; Parturition in *Sceloporus cyanogenys*, **Kennedy (2)**; Habits and reproduction of *Gopherus flavomarginatus*, **Legler & Webb (2)**; Of *Dendroaspis jamesoni kaimosae*, **Leloup**; Mating behaviour and breeding habits of *Cnemidophorus*, **Milstead (1)**; Interbreeding of *Lacerta s. sicula* and *L. s. coerulea*, **Reiss**; *Emys orbicularis* pairing, **Sloet tot Everlo**; Fertility and diet, *Lacerta* and *Ophisaurus*, **Stolk (6)**; Cytochemical study of the chromatoid bodies in male germ-cells, **Sud (4)**; *Vipera ammodytes*, **Thomas**; Reproductive potential of *Uta* correlated with size of female and the season, **Tinkle (2)**; Geographic variation in reproduction of *Sternothaerus*, **Tinkle (3)**; Reproductive potential of *Pseudemys* and *Graptemys* in Lake Texoma, **Webb (3)**.

Reproductive Cycle.—Of tortoises of the Cape, **Backer**; Annual cycle of epididymis in *Lacerta s. sicula*, **Galgano & d'Amore**; Hypophysial modifications during the reproductive cycle of *Testudo*, **Herlant & Grignon (2)**; Birth season and young of *Crotalus* and *Agkistrodon*, **McCoy (1)**; Of *Uta stansburiana* populations, **Tinkle (2)**; Male reproductive cycles in *Sceloporus occidentalis*, **Wilhoft & Quay**.

Parthenogenesis.—Monsters of *Lacerta saxicola* from parthenogenetic reproduction, **Darevskii (2)**; In a polymorphic group of Caucasian *Lacerta saxicola*, **Darevskii & Kulikowa**.

Spermatogenesis.—Of *Holarchus*, *Psammophis* and *Python*, **Boisson**; *Bungarus coeruleus* histochemical study, **Guraya (2)**; Concomitant with the involution of the Leydig cells in *Testudo mauritanica*, **Herlant & Grignon (1)**; Seasonal changes in the spermatogenetic condition of the seminiferous tubules of *Clemmys caspica*, **Lofts & Boswell**; Of *Chalcides ocellatus*, **Mendietta**; Polyploid cells in spermatogenesis of some reptiles, **Srivastava & Bhatnagar**; Significance of chromatoid bodies of *Natrix natrix*, **Sud (5)**.

Sex Determination.—Genetic and environmental aspects of sex determination, **Dodd, J. M.**

Sex Ratio.—Of *Coluber radiatus*, **Bergman**; 3 Populations (sub species) of *Lacerta saxicola* devoid of ♂s reproduce parthenogenetically in the Caucasus, **Darevskii & Kulikowa**; In a population of *Uta stansburiana*, **Tinkle (2)**; In *Sternothaerus odoratus* in N. America, **Tinkle (3)**.

Sex Maturation.—Of *Coluber radiatus*, **Bergman**; Breeding maturity, season and behaviour in the Nile crocodile, **Cott**; Relation of total length to sexual maturity of *Sonora e. spiscopa* from Tulsa Co., Oklahoma, **Kassing**; In *Sternothaerus odoratus* of N. America, **Tinkle (3)**.

Sex Dimorphism.—In *Chamaeleo dilepis*, **Attwell**; In *Heterodon platyrhinos* of the eastern United States, **Edgren**; In *Vipera ursinii* and *V. kaznakovi*, **Kramer (3)**; In *Gopherus flavomarginatus*, **Legler & Webb (2)**.

Sex Reversal.—Masculinization of ♀ *Crocodylus niloticus*, **Godet**; Feminization of chick testis grafted to *Lacerta* ovarian tissue, **Lutz-Ostertag & Dufaure**.

Hybridization.—Sterile ♀ hybrids of *Lacerta saxicola* in overlapping areas of parthenogenetic and bisexual forms, **Darevskii & Kulikowa**; Evidence of hybridization between *Anolis allisoni* and "an eastern" *porcatus*, **Ruibal & Williams (1)**.

DEVELOPMENT

Egg: Oogenesis.—*Eumeces callicephalus*, **Cambell & Simmons**; †Dinosaur eggs and young dinosaurs, **Colbert (3)**; Only ♀'s produced from eggs of parthenogenetic *Lacerta saxicola*, **Darevskii & Kulikowa**; Two large broods of *Haldea v. valeriae*, **Groves**; Histochemical study of lipids in *Naja* and *Bungarus* oocytes, **Guraya (1)**; Embryonic membranes of *Psammophis shokari*, **Melouk**; Of the eastern worm snake (*Carphophis*), **Simmons & Stine**; *Ptychozoon kuhli* eggs, **Tiwari**; Eggs of *Pseudemys* and *Graptemys* in Lake Texoma, **Webb (3)**.

Embryology.—Eggs and young of *Eumeces callicephalus*, **Cambell & Simmons**; Of embryonic and adult pigmentation and colour patterns, **Fioroni**; Cytology of the pituitary during embryogenesis of *Zootoca*, **Grignon, G. & M.**; Common characters seen in the embryology of the geckonid chondrocranium, **Kamal (1)**; Embryonic membranes of *Psammophis shokari*, **Melouk**; Of a young legless lizard *Pygopus lepidopodus*, **Ormsby**; Notes on eggs and young of *Lampropeltis d. doliata*, **Palmer, W. M.**; Early endocrine secretion in *Anguis fragilis* embryos, **Raynaud, A. & J. (2)**; Formation of adenohypophysial cells in *Vipera* embryos, **Saint Girons, H. (2)**; Action of gonadotrophins on developing *Emys* testes, **Stefan**.

Organisers.—Role of the apical cap in limb formation, **Milaire**; Secretion from endocrine glands in *Anguis fragilis* embryos, **Raynaud, A. & J. (2)**.

Organogeny.—Development of genitalia in *Lacerta vivipara*, **Dufaure (1)**; *Zoothoca*, action of sex hormones on penis development, **Dufaure (2)**; Development of the chondrocranium of *Ptyodactylus*, **El-Toubi & Kamal**; Development of the hypophysial vascular system, **Enemar**; Development of shoulder girdles of Chelonia to support respiratory muscles, **Friant**; Chondrocranium of *Hemidactylus turcica*, **Kamal (1)**; Postembryonic multiplication of muscle fibres, **Lobyntsev**; Rate of development of sense organs correlated with brain development, **Matveyev**; Amnion and chorion development in *Psammophis shokari*, **Melouk**; Development of anal sacs, **Pera**; Formation of the different cells of the adenohypophysis during development of *Vipera* embryos, **Saint Girons, H. (2)**; Precocious development of testes of young *Emys* after injections of gonadotrophins, **Stefan**; Cranial anatomy and kinesis of *Thelotornis* at a late developmental stage, **Visser**.

Growth.—Growth rate of *Natrix natrix* during the first 15 months of life when reared under artificial conditions, **Anasiewicz & Miczulski**; Growth rates of captive Boidae, **Barton & Allen**; Age, growth and health of *Pseudemys scripta elegans* under laboratory conditions, **Boycott & Robins**; Of hatchlings from eggs of the Atlantic Ridley on Padre Island, **Carr (2)**; Neurosecretory changes and effects at the onset of puberty in *Emys*, **Combescot, Demaret & Guyon**; Growth rate, size, sex ratio, and longevity in the Nile crocodile, **Cott**; Growth and development of *Agama agama africana*, **Daniel**; Of *Phrynocephalus helioscopus persicus*, **Darevskii (1)**; Age and growth, lengths attained by snakes in the Bronx Zoo, **Dowling (4)**; Growth formulae of snakes and other reptiles, **Fukada**; Hatchlings from leathery turtle eggs, **Hendrickson & Winterflood**; Of *Vipera ursinii* and *V. kaznakovi*, **Kramer (3)**; Size and growth of *Gopherus flavomarginatus*, **Legler & Webb (2)**; Annual growth zones in living and fossil reptiles, **Peabody**; Of *Graptemys* and *Pseudemys* in Lake Texoma, **Webb (3)**.

Effects of Environment.—Effects of low temperatures on embryonic garter snakes, **Fox, Gordon & Fox**; Effect of additional light on clutch size of *Uma notata*, **Mayhew.**

Hatching and Rearing.—Rearing conditions for *Natrix natrix*, **Anasiewicz & Micsulski**; Birth of *Sceloporus cyanogenys* in vivaria, **Bustard (9)**; Hatching of leathery turtle eggs in Malaya, **Hendrickson & Winterflood**; Hatching size, shape and first movements of young *Emys orbicularis*, **Marián & Szabó**; Keeping, rearing and studying *Anolis*, **Molle (1)**; Hatching of Galapagos tortoises, photos., **Shaw (3)**; Failures in rearing terraria born snakes, **Sievers.**

Teratology.—Monsters of *Lacerta saxicola* from parthenogenetic reproduction, **Darevskii (2)**; Monstrous embryos, mostly ♂s, in eggs laid by parthenogenetic ♀s of *Lacerta saxicola*, **Darevskii & Kulikowa**; Teratogenic factors in the low temperature study of garter snake embryos, **Fox, Gordon & Fox**; Sexual abnormality in *Bothrops insularis*, **Hofe, Belluomini, Schreiber & Penha**; *Carphophis* with ankylosis of the spine, **Simmons & Stine**; Dicephalism in *Vipera berus*, **Steward (1)**; Shield abnormalities in turtle shells, **Zangerl & Johnson.**

EVOLUTION AND GENETICS

General Works.—†Ichthyosaurs shown to have common ancestry with Chelonians; the ichthyosaur-chelonian stock derived from procolophonids in possibly *Deuterosaurus* times, **Appleby**; †Pterosauria, **Augusta & Burian**; †Lepidosauria, **Brattstrom (2)**; †Dinosaurs, **Colbert (3)**; General study, **Crusafont Pairó (2)**; Rôle of *Lanthonotus borneensis* in the evolution of snakes, **Harrisson**; Reptiles, **Heyler**; †Early history and origins of Tetrapods, **Huene (1)**; †Polyphyletic origin of reptiles, **Kuhn-Schnyder (4)**; †Cretaceous evolution of reptiles, **Langer**; Lower reptiles, **Lehman (1)**; Reptilia, general study, **Lehman (2)**; †Reptiles in the Karroo of Africa, **Meléndez**; Reptilian evolution with regard to the labyrinthodont middle ear, **Parrington (1)**; Establishment of subspecies on Adriatic Islands, **Radovanović (1) & (2)**; †Extinction of dinosaurs —theories, **Ramaiha**; Microevolution of reptiles on Mediterranean islands, **Sacchi**; Possible relation of epithalmic and subcommissural organs to vertebrate emergence on dry land, **Steyn**; Factors influencing distribution and speciation of *Eumeces*, **Taylor E. H.**; Reptile evolution and phylogeny, **Terent'ev**; †Trends and relationships of Pseudosuchia, **Walker**; Remarks on the evolution of geckos considering amphicoelous Diplodactylinae as the most primitive, **Werner**; Evolution and relationships of the *Anolis semilineatus* group on Hispaniola, **Williams, E. E.**

Phylogeny.—Ontogeny and phylogeny of the Chelonian pectoral girdle, **Friant**; Origin of reptiles, general evolution, **Fuhn & Vancea (1)**; Phylogenetic aspects of regeneration, **Goss**; †Reptile phylogeny, **Huene (2)**; †Reptile phylogeny and palaeontology, **Huene (6)**; Position of Geckonidae in the light of the developmental study of the skull, **Kamal (3)**; †Relationships of reptiles, **Kuhn (2)**; Reptilia, general study, **Lehman (1)**; †North American hadrosaurs, **Ostrom (1)**; Reptilian evolution with regard to the Labyrinthodont middle ear, **Parrington (1)**; Relationships of *Anolis koopmani* on Haiti, **Rand (3)**; Phylogenetic problems relating to *Sphaerodactylus scaber* in Cuba, **Schwartz, A.**; †Pliosaur phylogeny and taxonomy, **Tarlo**; Reptile evolution and phylogeny, **Terent'ev**; Phylogenetic migrations of the ambiens muscle and its homology with the mammalian sartorius, **Vaughn**; Phylogeny of the *mexicana* group of the genus *Lampropeltis*, **Webb, (1)**; *Anolis semilineatus* group evolution and relationships on Hispaniola, **Williams, E. E.**

Ontogeny.—Ontogenetic increase in teeth of *Tarentola annularis* and *T. ephippiata*, **Grandison**; Ontogeny and dependence of development on certain states of differentiation, **Matveyev.**

Evolution of Organs.—Evolution of trunk musculature in snakes, **Auffenberg (2)**; Evolution of eyelid accretion in lizards, **Darevskii (3)**; †Evolutionary features of phytosaur skulls and their use in zonation of Triassic deposits in North America, **Gregory**; Origin of the external ear, derived from reptiles, **Ilyichev**; †History of the reptilian heart, **Kashyap, K. V.**; Structure and function of the dentary, **Parrington (2)**; Is the pericardial extension of the *muscularis striatum pulmonale* a primitive feature or a secondary acquisition in some turtles?, **Shah**; Possible relation to vertebrate emergence on dry land of the subcommissural and epithalmic organs, **Steyn.**

Variation.—Great Basin lizards, **Banta (4)**; Geographic variation in *Heterodon platyrhinos*, **Edgren**; Colour variation in New Guinea species of *Sphenomorphus*, **Inger**; Summary of colour variation in *Sonora e. episcopa*, **Kassing**; *Vipera ursinii* and *V. kaznakovi*, **Kramer (3)**; Colour variation of *Sphaerodactylus shrevei* n.sp. from Haiti, **Lazell**; Colouration of *Gopherus flavomarginatus* and its variation with age, **Legler & Webb (2)**; In Loshiang and Hainan populations of *Tropidonotus ornaticeps*, **Malnate**; An exceptional pattern variant of *Micrurus fulvius*, **Meachem & Myers**; *Anolis homolechis* complex on Cuba, colour variation, **Ruibal & Williams (2)**; *Lacerta vivipara*, **Stugren & Vancea.**

Albinism and Melanism.—Albinos in Essex, ♀ slowworm from Loughton, **Malenoir.**

Chromosome Problems.—Chromosome cytology of *Lycodon aulicus*, **Bhatnagar, A. N.**; Of *Chamaeleo gallus*, **Matthey**; Of *Chalcides ocellatus*, **Mendietta.**

ECOLOGY AND HABITS

General Works.—Import restrictions, countries of origin and general ecology, **Brongersma (2)**; Diminishing numbers of reptiles in Sweden, **Curry-Lindahl (1)**; Loch Ness monster, **Dinsdale**; Reptiles of Chile, **Donoso-Barros (1)**; Reptiles in the Galapagos Islands, **Dorst**; Reptiles of Michoacán Mexico, **Duellman**; Reptiles 94 pls, many coloured, **Guibé**; Physiological ecology: a study of small animals by means of a trailing device, **Heath**; Reptilia from the neighbourhood of Venlo, **Hermans**; Ohio herpetology, **Hirschfeld & Collins**; Alphabetical list of the reptiles of Israel, **Hoofien** *in* **Barash & Hoofien**; Reptiles in S. Limburg, Netherlands, **Horst**; Reptiles as possible hosts for eastern encephalitis virus, **Karstad**; †Tooth marks of a Mosasaur feeding on ammonites; deep diving form from the Cretaceous, **Kauffman & Kesling (1)**; Reptilia of Ohio, lists and notes, **Kirtland**; Buying, housing, feeding and general care of *Testudo*, **Knight**; Marine ecology and palaeoecology, **Ladd [editor]**; Reptilia kept in vivaria, **Leutscher (2)**; Biogeographical regions of Chile, **Mann**; Reptilia of New Guinea (col. photos), **Schultze-Westrum**; The animal world of the Kalinin district, **Shaposhnikov, Golovin, Sorokin & Tarakanov**; Systematic list, general ecology and notes on East African reptiles, **Skelton-Bourgeois (1)**; Zoological study in North Vietnam, **Tien**; Reptiles on New Guinea, **Tyler (1)**; List of Black Sea region reptiles, **Valkanov.**

Chelonians.—The leathery turtle or luth in Malaya, **Anon (3)**; *Pseudemys scripta elegans*, **Anon (5)**; Tortoises of the Cape, **Backer**; Climatic distribution of modern tortoises, **Brattstrom (1)**; American terrapins in terraria, **Bustard (17)**; Of the Chilpancingo region, Mexico, **Davis & Dixon**; Vanishing giants and enduring dwarfs, **Dowling (1)**; *Pseudemys concinna*, **Geesink**; General

study, with 19 plates, **Guibé**; Off the coast of Baja California, **Hubbs**; Records from Jersey, **Le Sueur**; In Canada and Alaska, **Logier & Toner**; *Emys orbicularis*, **Sloet tot Everlo**; From Illinois, figs., distribution, ecology and species study, **Smith, P. W.**; Scottish turtle records 1954-1960, **Stephen**; Of the Allegheny River Valley, New York State, **Stewart**; Winter survival of hatchling *Chrysemys picta*, **Woolverton**.

Crocodiles.—Diurnal activity rhythm in the Nile crocodile, **Cott**; General study, with coloured plates, **Guibé**.

Lizards.—General note on *Agama stellio*, **Anon (1)**; *Chalcides o. ocellatus*, **Anon (2)**; Of the Great Basin, NW America, **Banta (4)**; Photoperiodism, feeding and growth of lizards, **Bartholomew**; General study of *Polychrus acutirostris*, **Blankenstein**; *Sceloporus cyanogenys*, **Bustard (16)**; Ecology of a new *Egernia* from New South Wales, **Cogger**; Correlations between ecology and morphology in anolines from Havana, Cuba and S. Florida, **Collette**; *Lacerta muralis brueggemanni*, **Cooper, J. S.**; In the Desert of Rajasthan, **Dave**; Of the Chilpancingo region, Mexico, **Davis & Dixon**; Habits of *Heloderma suspectum*, **Graaf**; General study, with 43 plates, **Guibé**; South west African lizards both free and in captivity, **Hoesch (1)**; Desert lizards, **Hoevers (1)**; In Canada and Alaska, **Logier & Toner**; *Lacerta muralis* & *L. sicula* near Lake Veneta, **Marcuzzi**; Photoperiodic response of *Uma notata*, **Mayhew**; Scincidae from New Guinea, **Menne (1)**; Lizards of the islands in the Gulf of Salerno, **Mertens (3)**; Natural history of four species of *Cnemidophorus* in Trans-Pecos, Texas, **Milstead (1)**; Drift-fence trapping of lizards on the Black Gap Wildlife Management area of SW Texas, **Milstead (2)**; *Varanus monitor*, Uttar Pradesh, **Misra (1)**; *Anolis sagrei* from Key West, Florida, **Moonen**; *Calotes versicolor* predator of birds, **Pereira**; *Anolis koopmani* n.sp. from Haiti, **Rand (3)**; *Uromastyx asmussi* and *U. acanthinurus*, **Richter**; From Illinois, figs., distribution, ecology, **Smith, P. W.**; Of the Allegheny River Valley, New York State, **Stewart**; *Hemidactylus frenatus* at Rangoon, **Tyler (2)**; *Lacerta muralis muralis* in Roumania, **Vancea**.

Snakes.—*Eryx conicus*, Malayalam, **Adiyodi (1)**; Distribution of snakes in Hidalgo Co., New Mexico, **Bogert & Degenhardt**; *Dendroaspis p. polylepis* from Southern Rhodesia, **Broadley (2)**; Mainly taxonomic but part ecological study of *Elaphe* in the Cyclades, **Buchholz**; Boa constrictors as pets and those to avoid, **Bustard (18)**; West African snakes, **Cansdale**; From Fernando Poo, S. Tomé, Principe and Annobón, Gulf of Guinea, **Capocaccia (2)**; *Trimeresurus* in Sumatra and Borneo, **Coomans de Ruiter, L.**; Common grass snake in Czechoslovakia, **Dyk**; *Thamnophis sirtalis* in the Great Plains and Rocky Mountains, **Fitch & Maslin**; *Sistrurus c. catenatus* in Michigan; occurrence and habits, **Fowler**; General study, with 23 plates, **Guibé**; Of *Dendroaspis jamesoni kaimosae* in Kivu, **Leloup**; In Canada and Alaska, **Logier & Toner**; From the Amazon river region, **Lüling**; *Thamnophis marcianus* in central Oklahoma, **McCoy (4)**; The copperhead in Ohio, **McDuffie**; General study of snakes, their habits and behaviour, **Neill, S. R. St. J.**; Catching and selling snakes in North Vietnam, **Petzold (1)**; Grass snakes and vipers, compared and contrasted, **Rivet**; *Enygrus bibroni australis* notes and photographs, **Schweizer**; Snakes in ancient times and today, **Shoshan**; From Illinois, figs., distribution and ecology, **Smith, P. W.**; Of the Allegheny River Valley, New York State, **Stewart**; General facts about size and weight of snakes, **Sweeney**; Uganda snakes, habits and general habitat study, **Temple-Perkins**; *Vipera ammodytes*, **Thomas**; Analysis of snake populations, **Turner**.

Ecological Associations.—Cave dwelling lizards in Afghanistan, **Lindberg**; Competition and associations of *Lacerta muralis* & *L. sicula*, **Marcuzzi**; Herpetological associations in British Honduras, **Neill & Allen (1)**.

Effects of Environment.—Effect of the volcano Paricutin on vertebrates, **Burt**; Water metabolism of desert-inhabiting reptiles, **Chew, R. M.**; †Factors of dinosaurian environments, **Colbert (3)**; Peritoneal pigmentation of *Anolis* connected with exposure to radiation, **Collette**; Releasing of non-native turtles in certain areas of Maryland, **Cooper, J. E. (2)**; Effect of fires in Okefenokee swamp in 1954 and 1955, **Cypert**; Influence of lakes and ponds on populations of the common grass snake, **Dyk**; Environmental and genetic factors responsible for individual variability in sexually dimorphic traits in *Heterodon platyrhinos*, **Edgren**; Additional light and effect on clutch size in *Uma notata*, **Mayhew**; Relationships of marine turtles of the NE Pacific to water temperatures, **Radovich**; †Vertebrates and seasonal drought in the late Palaeozoic and Triassic, **Romer, A. S. (2)**; Ecology of reptiles in th Sahara, **Valverde (1)**.

Temperature.—Temperature requirements of modern tortoises, **Brattstrom (1)**; *Testudo hermanni* thermal behaviour, **Cherchi**; N.E. Pacific turtles and water temperature, **Radovich**.

Migration.—Mass unidirectional movement of *Natrix* in Florida, possibly a migration towards a suitable habitat, **Holman & Hill**.

Distribution.—*Chalcides o. ocellatus*, **Anon (2)**; Survey of recent county records for reptiles of Ohio, **Adler (3)**; *Cnemidophorus* in Mexico, **Axtell (4)**; Reptiles of Black Gap wildlife management area, Brewster Co., Texas, **Axtell (5)**; *Coluber radiatus* and *C. melanurus* in Java, **Bergman**; List of reptiles from the Loskop Dam Nature Reserve and their distribution in S. Africa, **Brain (2)**; Frequency, social and economic importance of West African snakes, **Cansdale**; Distribution and identification of eastern Pacific turtles, **Carr (1)**; Of three species of house gecko in Bandung (Java), **Church & Lim**; Ribbon snakes of southern Mississippi, **Cliburn (2)**; Distribution and speciation of a new *Egernia* in New South Wales, **Cogger**; Of land tortoises, **Dowling (1)**; The Tannu-Ola Mts. as an impassable barrier for lizards, **Flint & Golovkin**; Of fossil and recent reptilian orders, **Fuhn & Vancea (1)**; Of *Eremias* in Roumania, its habitat and population study, **Fuhn & Vancea (2)**; *Tarentola annularis-ephippiata* complex in North and West Africa, **Grandison**; Frequency distribution of *Sphenomorphus* on New Guinea, **Inger**; *Testudo graeca* from N. Africa, S. Spain and Pityusen Islands, *T. hermanni* from Balkans, Italy, Sicily and Corsica, **Leutscher (1)**; Reptiles in Portuguese Guinea, **Manaças (1)**; Distribution pattern of lizards in Southern Africa, **Poynton**; Survey of reptiles in the vicinity of Ottine, Gonzales Co., Texas, **Raun**; Four hypotheses to explain the distribution and biology of the three forms of *Anolis porcatus* and of *allisoni* in Cuba, **Ruibal & Williams (1)**; Of reptiles in the Northern Prearal, USSR, **Shilov**; Illinois reptiles, a critical review of species and their distribution, **Smith, P. W.**; *Uta stansburiana stejnegeri* in N. America from Nevada and California to western Texas and N. Mexico, **Tinkle (2)**.

Population Studies.—Numbers of leathery turtles in the world and in particular in Malaya, **Anon (3)**; Variations in populations of *Storeria* bordering the Gulf of Mexico, **Anderson, P. K.**; Variations in a sample population of *Crotalus willardi silus* from the Animas Mts., New Mexico, **Bogert & Degenhardt**; Distribution patterns and population densities in the submontane and montane zones of Cuernos de Negros, Philippines, **Brown & Alcala (2)**; *Elaphe* in the Cyclades, **Buchholz**; Abundance

of the adder and other reptiles in Cornwall, **Burrage**; Species interaction in *Anolis* populations in Havana, **Collette**; Population dynamics, crocodiles and fisheries study of the Nile crocodile, **Cott**; Population dynamics of *Phrynocephalus helioscopus*, **Darevskii (1)**; Correlation between environment, colour and colour pattern in local populations of *Dasypeltis*, **Gans (9)**; A new locality record for a population of *Pseudemys scripta elegans* in Michigan, **Gordon & Fowler**; Study of a "mixed" population of *Tarentola annularis* and *T. ephippiata* in Guinea region, **Grandison**; Survey of reptiles and their ecological community relationships with fish, amphibians and mammals in Gonzales Co., Texas, **Raun**; Population problems when preserving wild life, **Street**; Systematic study of SE European populations of *Lacerta praticola*, **Stugren (1)**; Mass sampling study of three populations of *Uta stansburiana stejnegeri* in W. Texas, **Tinkle (2)**; Relative abundance of snake species, **Turner**.

Enemies and Defence.—Egg laying casualties and dangers of extinction of the luth in Malaya, **Anon (3)**; Reptile remains from owl pellets, NE Chihuahua, **Anderson & Ogilvie**; *Pelamis platurus* eaten by an *Octopus*, **Bruggen (1)**; Aggression and dominance in *Sceloporus*, **Carpenter (3)**; Egg predators, enemies of young and adult Nile crocodiles, **Cott**; Predators of *Agama agama africana*, **Daniel**; Movement of lizards, defence of territory and homing instinct in the Desert of Rajasthan, **Dave**; *Dasypeltis* almost completely defenceless and relying on mimicry of coral snakes for protection, **Gans (9)**; Cranial bones of *Tarentola* found in owl pellets, **Nos**; *Calotes versicolor* predator of birds, **Pereira**; List of birds known to eat snakes in the Lower Shire River valley, Nyasaland, **Sweeney**.

Commensalism.—Epizoophytic algae on turtles of Texas and Mexico, **Dixon (1)**; Suggestion that *Salmonella* serotypes are essential harmless commensals, **Fulton, Szafran & Lesko**.

Conservation.—Conservation of *Dermochelys* in Malaya, **Milton**; Conservation of Malayan sea turtles, **Tharmalingam**.

Extinction.—†Climate and dinosaur extinction, **Romer A. S. (2)**.

Parasites.—Pentastomid parasites of *Calotes versicolor* in India, **Anantaraman & Krishnaswami**; *Testudo horsfieldi* vector of pathogenic *Leptospira*, **Blagodarnyi**; Reptile hosts of ticks in Timor and their spread to Australia and neighbouring islands, **Cabrier da Silva**; *Xenopharynx* parasites of Indian snakes, **Chatterji & Kruidenier**; Tsetse flies, leeches and nematodes parasitising the Nile crocodile, **Cott**; Of *Agama agama africana*, **Daniel**; Parasitic fauna of reptiles in the vicinity of Richelieu (Indre-et-Loire), **Dollfus**; Tick infestations of turtles, **Eglis**; *Eunectes notaeus* cured of amoebiasis [*Entamoeba invadens*], **Jacobi**; Haematozoa of Australian reptiles, **Mackerras**; Oxyuroid parasite of *Testudo angulata*, **Fitzsimmons**; Some less-common *Salmonella* serotypes in Congo reptiles possibly naturally present, **Fulton, Szafran & Lesko**; Parasitic nematodes of *Morelia spilotes variegatus*, **Timourian, Dobson & Sprent**.

Diseases.—Ailments likely to be suffered by snakes in vivaria, **Bustard (18)**; Pathologists report on Reptilia at the Zoological Gardens, Regent's Park, **Fiennes**; Of the north African tortoise *Testudo graeca*, **Graham-Jones**; Study of reptilian blood as a possible reservoir for eastern encephalitis virus, **Karstad**; Opalinid infections of monitor lizards, **Misra (2)**; Reasons for the death of some reptiles in the "Jardin des Plantes" in 1959, **Nouvel, Chauvier & Strazielle**; "Mouth-rot" and its treatment in King snakes, **Page**; *Entamoeba invadens* causing dysentery in reptiles, **Steck**.

Injuries.—Mutilation of the tail in *Coluber radiatus*, **Bergman**.

Orientation and Homing.—Orientation to solar and reflected heat by *Holbrookia*, **Axtell (2)**; Homing behaviour of lizards in the Desert of Rajasthan, **Dave**; Compass orientation studies, on *Lacerta viridis*, **Fischer, K.**

Technique.—Use of Tineidae to prepare osteological specimens, **Banta (3)**; A simplified method for analysis of clines of the hognose snake, **Edgren**; The snake as a source of living spermatozoa for laboratory or class examination, **Fitch**; Collection of reptiles, **Fuhn & Vancea (1)**; A trailing device for field study of small animals, **Heath**; Preparation of fossilized skeletons, and separation of them from their matrix, **Kühne**; Technique for collecting in urban areas, **McCoy (3)**; For the preparation of turtle shells, **MacMahon**; Trapping snakes in North Vietnam, **Petzold (1)**; Mechanism of straining reaction for mast cells of lizard, **Stolk (2)**; Simultaneous staining of Heinz bodies and reticulocytes, **Stolk (5)**; Reconstruction of *Pteranodon*, **Tratz**; Method of incubating reptile eggs, **Zweifel (2)**.

Aquaria: Terraria.—Laboratory accommodation of *Pseudemys scripta elegans*, **Boycott & Robins**; Conditions suitable for the keeping of snakes and lizards, **Brain (1)**; Keeping South African lizards, **Bustard (1)**; Study of *Amphibolurus barbatus*, **Bustard (2) & (8)**; *Egernia cunninghami*, **Bustard (3)**; *Tiliqua scincoides* and *T. rugosus*, **Bustard (4)**; Studies on chamaeleons in captivity, **Bustard (5) & (6)**; *Constrictor constrictor*, **Bustard (7)**; Birth of *Sceloporus* in a vivarium, **Bustard (9)**; Housing, heating and feeding in vivaria, **Bustard (10)**; *Anolis carolinensis* egg incubator, **Bustard (11)**; Keeping small Scincidae, **Bustard (12)**; Agamidae, **Bustard (13)**; Keeping snakes, **Bustard (14)**; Keeping lizards from Southern Europe, **Bustard (15)**; Rearing conditions for American terrapins, **Bustard (17)**; Keeping boa constrictors, **Bustard (18)**; Collared lizards and chuckawallas, 2 photos, **Bustard (19)**; Behaviour, ecology and reproduction of Italian wall lizards, **Cooper, J. S.**; Keeping a bushmaster in captivity, **Dowling (3)**; Maintenance of a snake in the laboratory mainly as a source of spermatozoa for study, **Fitch**; Chamaeleons in captivity, **Hillenius**; Southwest African lizards in captivity and in the wild, general notes, **Hoesch (1) & (2)**; Keeping *Heloderma suspectum* in terraria, methods of attaining near natural conditions, **Hoevers (2)**; Buying, housing, feeding and general care of the common tortoise, **Knight**; Feeding reptiles in captivity, **Leenart, B. (2)**; Vivarium life, study of the care and breeding of reptiles, their ecology and habits, **Leutscher (2)**; Terrarium experiments on egg development of *Emys orbicularis*, **Marián & Szabó**; Studies on keeping *Anolis*, **Molle (1)**; Care of chamaeleons, **Oeser**; Turtles, **Oostveen**; Breeding of *Lacerta*, **Reiss**; Gecko's in captivity, **Rekum (1)**; Keeping jewelled geckos, **Rekum (2)**; Failures in rearing terraria born snakes, **Sievers**; Raising a giant snake (*Eunectes murinus*), **Staedeli**; *Testudo graeca* trade and methods of keeping, **Vinter & Green**.

General Habits.—*Chalcides o. ocellatus*, **Anon (2)**; *Thamnophis sirtalis* feeding on small fish in tide pools along the British Columbia coasts, **Batts**; *Mehelya* in Southern Rhodesia, **Broadley (1)**; *Trimeresurus* from Sumatra and Borneo, **Coomans de Ruiter, L.**; Characteristics and habits of nocturnal reptiles, **Dowling (2)**; *Sistrurus c. catenatus* in Michigan, **Fowler**; *Sonora e. episcopa*, Oklahoma, **Kassing**; Distribution and habits of *Sistrurus catenatus* in north west Texas, **Knopf & Tinkle**; *Testudo graeca* and *T. hermanni* kept in Britain, **Leutscher (1)**; Burrowing habits of *Uromastyx hardwickii*, **Majupuria 4)**; Biological study of *Uromastyx asmussi* and *U. acan-*

thinurus, **Richter**; Thermal relations of five species of Cuban *Anolis*, **Ruibal**; Systematic experiments to test the swimming ability of non-aquatic reptiles, **Tercafs, R. R. (2)**; Notes on the general habits of *Agama* in Durban, **Wager**; *Anolis* spp. on Hispaniola, **Williams & Rand.**

Social and Gregarious Habits.—Social behaviour patterns of *Dipsosaurus dorsalis*, **Carpenter (2)**; Social behaviour patterns of *Sceloporus merriami*, **Carpenter (3)**; Dominance shifts in *Urosaurus ornatus* social activity, **Carpenter & Grubits (1)**; Territory of desert lizards in India, **Dave**; Threat displays shown by *Dasypeltis*, **Gans (9)**; Home range, territory and home realm of reptiles in Brewster Co., Texas, **Milstead (6)**.

Habitat.—The effect on eye structure of living with only the eyes above water, **Atz**; *Cnemidophorus* in Mexico, **Axtell (4)**; Cave dwellers, Tennessee, **Barr**; Reptilia in Bulgaria, **Beškov**; *Crotalus willardi silus* from the Animas Mts., New Mexico, **Bogert & Degenhardt**; Habitat and diet in the wild of *Pseudemys scripta elegans*, **Boycott & Robins**; Herpetofauna of the dipterocarp, submontane and montane zones of Cuernos de Negros, Philippines, **Brown & Alcala (2)**; Value of long legs to terrestrial lizards, short tail length and increased numbers of lamellae in arboreal *Anolis* of Cuba, **Collette**; Lacertidae world distribution study, **Coomans, R.**; *Agama* in Suacoco, Liberia, **Daniel**; Isla Cerralvo as a habitat for reptiles, **Etheridge (1)**; The steppe fauna in the Tuva basin, Russia, **Flint & Golovkin**; The desert lizard *Heloderma suspectum* from Arizona, **Hoevers (2)**; *Sonora e. episcopa* in Tulsa Co., Oklahoma, **Kassing**; Distribution and habitat of *Gopherus flavomarginatus*, **Legler & Webb (2)**; *Sphaerodactylus shrevei* n.sp. in Haiti, **Lazell**; *Lacerta viridis* biotope and photo, **Meeuwen**; Five Cuban anolids representing habitat differentiation between closely related species in contiguous habitats, **Ruibal**; Distribution, habits and habitat of snakes, **Sweeney**; Biotope of *Natrix n. helvetica*, **Tercafs (1)**; Reptilia in the region of Thai-Nguêyn, N. Vietnam, **Tien**; *Natrix* spp. in Texas, **Tinkle & Conant**; Distribution, evolution and biology of the *Anolis* group in the Dominican Republic, **Williams, E. E.**

Feeding Habits.—Eating habits of *Dermochelys* in Malaya, **Anon (3)**; *Chamaeleon* photographed catching a fly, **Adams**; Herbivorous habit of *Phrynosoma platyrhinos*, **Banta (2)**; Feeding of captive Boidae, **Barton & Allen**; Intertidal fishes as food of *Thamnophis sirtalis*, **Batts**; Feeding habits of *Crotalus willardi silus* in captivity, **Bogert & Degenhardt**; Diet and quantities of food consumed by *Pseudemys* in terraria, **Boycott & Robins**; Feeding behaviour in *Chamaeleo*, photos, **Brain (3)**; *Mehelya* in Southern Rhodesia, **Broadley (1)**; *Sceloporus cyanogenys*, **Bustard (16)**; Diet of boa constrictors in captivity **Bustard (18)**; of collared lizards and chuckawallas in captivity, **Bustard (19)**; Feeding habits of snakes, **Conant (4)**; Food and feeding habits of the Nile crocodiles, **Cott**; Of *Agama agama africana*, **Daniel**; *Echis carinatus*, **Deoras & Vad**; Food and weight of *Lepidochelys kempi*, **Dobie, Ogren & Fitzpatrick**; Of giant land tortoises, **Dowling (1)**; Feeding behaviour and stimuli necessary for attack by *Crotalus*, **Dullemeijer**; *Dasypeltis* and its egg eating habits, **Gans (9)**; Food of lizards from Fort Benning, Georgia, percentage and volume study, **Hamilton & Pollack**; *Lanthanotus borneensis* in captivity, **Harrisson & Haile (1)**; Digestion of food in snakes where the fangs have been removed and/or the venom ducts ligatured, **Hegeman**; Simultaneous constriction habit in *Elaphe obsoleta*, **Jackson**; *Boiga blandingii* eating bats found in roofs, **Jones T.**; Food and feeding habits of desert lizards, **Krishna & Dave (1)**; Feeding habits of *Hypsiglena*, **Kuhns (1)**; Food and feeding of Reptilia, **Kwak**; Diet of reptiles in Portuguese Guinea, **Manaças (1)**; Gastric contents of reptiles from Mozambique, **Manaças (3)**; Foraging activity of *Cnemidophorus* in Trans-Pecos, Texas, **Milstead (1)**; Feeding habits of *Lampropeltis* adults and young in captivity, **Palmer, W. M.**; *Boiga blandingii*, **Rosevear (2)**; *Dasypeltis*, **Shaw (1)**; *Dinodon orientale* feeding on skinks, Japan, **Shibata**; *Eunectes* in captivity, **Staedeli**; *Dipsas turgidus*, **Stettler**; *Ophisaurus* and *Lacerta* eating snails, **Stolk (6)**; Of snakes and method of feeding, **Sweeney**; Diet of *Natrix n. helvetica*, **Tercafs (1)**; Diet and feeding habits of *Hemidactylus frenatus* at Rangoon, **Tyler (2)**; *Dracaena guianensis* feeding on snails at the mouth of the Amazon, **Vanzolini (3)**; †Survey of food habits of early land vertebrates, **Watson**; *Graptemys* and *Pseudemys* in Lake Texoma, **Webb (3)**; Food for terraria animals, **Weber**; Of a captive *Python sebae*, **Wilkins.**

Breeding and Parental Habits.—The Pacific and Atlantic Ridleys turtles, **Carr (2)**; Social facilitation in green turtle siblings, **Carr & Hirth**; Breeding, collecting and hatching of leathery turtle eggs, **Hendrickson & Winterflood**; *Sonora e. episcopa*, Oklahoma, **Kassing**; Breeding of *Anolis* in captivity, **Molle (1)**; Yearly studies on *Anolis* breeding, **Molle (2)**; Breeding record of *Pygopus lepidopodus*, **Ormsby.**

Courtship.—Mating behaviour of *Gerrhonotus panamintinus*, **Banta & Leviton (1)**; Courtship behaviour of *Dipsosaurus dorsalis*, **Carpenter (2).**

Egg Laying.—Egg laying and possible dangers of extinction of the luth in Malaya, **Anon (3)**; The spotted turtle *Clemmys guttata*, **Adler (1)**; The Pacific Ridley and the Atlantic Ridley, **Carr (2)**; Relation between brood size and emergence success in green turtle nests at Tortuguero, Costa Rica, **Carr & Hirth**; Two large broods of *Haldea v. valeriae*, **Groves**; Egg-laying, nest size, shape and egg numbers of *Emys orbicularis*, **Marián & Szabó**; Egg batches of some reptiles, **Szczerbak**; Geographic variation in clutch size of N. American *Sternothaerus*, **Tinkle (3)**; In ant's nests by *Anolis semilineatus*, **Williams & Rand.**

Nesting Habits.—Egg laying behaviour and nesting of the luth in Malaya, **Anon (3)**; Pythons incubating eggs in Australia, **Cogger & Holmes**; Nesting activity and parental care in the Nile crocodile, **Cott**; Nesting populations of sea turtles on the east coast of Malaya, **Hendrickson & Alfred.**

Hibernation.—Hibernation burrow of *Vipera berus* in Yakutsk, Siberia, **Larionov**; Role of cloacal bursae in hibernating turtles, **Smith & Nickson.**

Life History.—Life history and observations on nesting habits and egg laying of *Clemmys guttata*, **Adler (1)**; *Sonora e. episcopa* in Tulsa Co., Oklahoma, **Kassing**; *Pseudemys* and *Graptemys* in Lake Texoma, Oklahoma, **Webb (3).**

Locomotion.—Running speeds in *Dipsosaurus* and *Callisaurus*, **Belkin**; Various methods employed by snakes, **Conant (4)**; Terrestrial locomotion and aquatic behaviour in the Nile crocodile, **Cott**; Crawling tracks of *Crotalus* in response to feeding stimuli, **Dullemeijer**; Locomotion without limbs, **Gans (10)**; *Lanthanotus borneensis* on land and in water, **Harrisson & Haile (1)**; †Locomotion, mobility of the neck and aquatic habit in *Tanystropheus*, **Kuhn-Schnyder (2)**; Activities of reptiles on a quadrat near Alpine Brewster Co., Texas, **Milstead (6)**; Lizard bipedal locomotion, **Snyder**; Of snakes, general notes, speed and methods of locomotion, **Sweeney**; Gliding of *Ptychozoon kuhli*, **Tawari**; *Dracaena guianensis* in water, on land and in trees, **Vanzolini (3).**

Moults: Ecdysis.—Shedding in captive Boidae, **Barton & Allen**; Sloughing and intermoult periods and their relationship with blood composition in *Vipera*, **Saint Girons, M.-C.**

Voice.—Gekkonidae, **Coomans, R.**

Mimicry.—Mimicry problem in procryptically coloured *Dasypeltis*, **Gans (9).**

Behaviour.—Of the flap necked chameleon in captivity in Rhodesia, **Attwell**; Tilting of tortoise to obtain maximum sunshine, **Benton, W. E.**; Chameleon behaviour, **Brain (3)**; Behaviour of modern tortoises with regard to climate, **Brattstrom (1)**; Influence of temperature on behaviour, **Brattstrom (3)**; Time-motion study of *Urosaurus* behaviour patterns, **Carpenter & Grubitz (2)**; Thermoregulatory behaviour of *Morelia spilotes variegata*, **Cogger & Holmes**; Some observations on Italian wall lizards, **Cooper, J. S.**; Stimuli and feeding behaviour of *Crotalus r. ruber*, **Dullemeijer**; Biological importance of compass orientation, **Fischer, K.**; *Lanthanotus borneensis*, **Harrisson**; *Lanthanotus borneensis* captured alive in Borneo, **Harrisson & Haile (1)**; *Lanthanotus borneensis* in captivity, **Harrisson & Haile (2)**; Fossorial habits of desert lizards, **Krishna & Dave (1)**; Photoperiodic response in *Uma notata*, **Mayhew**; Death-feigning in *Heterodon simus*, **Myers & Arata**; Behaviour of certain mammals towards snakes, **Prakash, I.**; Swimming in non-aquatic reptiles, **Tercafs (2)**; *Dracaena guianensis* from Marajó Is., Amazon River mouth, **Vanzolini (3)**; Reptilia, **Wehrli.**

Longevity.—A bushmaster in captivity for 14 months and 7 days [still alive], **Dowling (3)**; Longevity of *Constrictor* in captivity—24 years 9 months, **Reynolds.**

Size Records.—Body and tail length of *Coluber radiatus*, **Bergman**; 5 ft. 4 in. long file snake in Bulawayo, **Broadley (1)**; Snakes in the Bronx Zoo, **Dowling (4)**; *Coronella girondica* 860 mm long, **Duguy**; Record length snakes from Ohio, **Magee**; A large ♂ *Gerrhonotus multicarinatus* 175 mm snout to vent, 164 mm tail, **Mitchell**; Size of snake as an influential feature in producing alarm in certain mammals, **Prakash, I.**; *Constrictor constrictor* 246 cm long at death aged 24 years 9 months, **Reynolds**; Comparison of length of *Boiga blandingii* and *B. pulverulenta*, **Rosevear (2)**; Size and scale counts separating species in the *Anolis homolechis* complex, **Ruibal & Williams (2)**; Geographic variation in size of *Sternothaerus odoratus* in N. America, **Tinkle (3)**; Size of *Hemidactylus* captured in Borneo, **Tyler (2)**; Size at sexual maturity, study on *Pseudemys* and *Graptemys* in Lake Texoma, **Webb (3).**

Economics.—Effect of harvesting it's eggs on world populations of the luth, **Anon (3)**; Economic importance of West African snakes, **Cansdale**; Exploitation and decline, and protection of the Nile crocodile, **Cott**; Nesting populations of sea turtles of Malaya, licences and market prices, **Hendrickson & Alfred**; Digestive processes of *Testudo elephantopus* responsible for alleviating seed dormancy, **Rick & Bowman.**

Naturalization.—*Trionyx spinifer* introduced and established in New Jersey, **Conant (2).**

VENOM

SNAKES

Observations.— Venomous snakes in the United States, **Anon (4)**; Venom of *Crotalus terrificus* producing intermediate nephron nephrosis in the dog, **Amorim, Mello & Saliba**; *Vipera berus* bite with thrombosis of the saphenous vein, **Arneil & Maclaurin**; Action of venines on hematitis, **Balozet**; Experimental and clinical studies on glucocorticoids in cobra envenomation, **Benyajati, Keoplung & Sribhibhadh**; Site of action of the venom of *Enhydrina schistosa*, **Carey & Wright**; Venom and bite of poisonous snakes, **Conant (4)**; Deformation of red blood cells by *Vipera palestinae* venom as an indication of the severity of the bite, **Danon, Gitter & Rosen**; Venom tolerance in Russell's viper, **Deoras & Mashalkar**; *Ancistrodon contortrix laticinctus* effect of bite on the author, **Diener, R. A. (2)**; Haemolysins of Australian snake venom, separation of phospholipase A from *Pseudechis* venom, **Doery & Pearson**; Cooling measures following injection of *Crotalus* venom, **Emery & Russell**; Experimental study of *Crotalus terrificus*, *Bothrops alternata*, *jararaca neuwiedii* and *jararacusu*, **Ferraresi**; Antisera and *Crotalus adamanteus* bite, **Fischer, Ramsey, Simon & Gennaro**; *Tropidechis carinatus* method of striking and effect of venom, **Fleay**; General note on venoms and economy of snakes, **Fuhn & Vancea (1)**; Susceptibility of animal cells in culture to snake venoms, **Gaertner, Goldblum, Gitter & Vries**; Parasympathetic stimulation of the mammalian eye after *Crotalus adamanteus* venom injection, **Gennaro, jr., & Casey**; Phospholipase activity of venoms, **Gennaro, jr. & Hood**; Quantity of venom introduced by crotalid snakes in their bite, **Gennaro, jr., Leopold & Merriam**; Relative toxicities of *Crotalus* and *Ancistrodon* venoms for mice and frogs, **Hall & Gennaro, jr.**; Properties of *Alsophis* saliva, **Hegeman**; Blood clotting factor of *Bothrops jararaca* venom, **Henriques, O. B. & S. B. & Fichman**; Enzyme activity of *Crotalus atrox atrox* venom, **Jiménez-Porras**; Venomous snakes of the Far East, treatment and antivenins, **Keegan**; Toxicity of orally administered *Crotalus adamanteus* venom, **Kelley & Gennaro, jr.**; Toxicity of *Vipera russellii* venom, **Klobusitzky**; Minimum lethal dose of *Vipera palaestinae* venom for man is approximately 75 mg., **Kochva**; *Dendroaspis jamesoni kaimosae* venom, **Leloup**; Key to dangerously venomous snakes of the Philippine Is., **Leviton (2)**; Sea-snake poisoning; pathological study of skeletal muscle necrosis in man, **Marsden & Reid**; Identification of enzymes and toxins in venoms of the Indian cobra and Russell's viper after starch gel electrophoresis, **Masters & Srnivase Rao**; Cobra venom activation of mitochondrial adenosinetriphosphatase, **Menon & Braganca**; Coagulation of blood by *Vipera russelli* venom, **Nath**; Toxicity to mice of various snake venoms and their chromatographic fractions, **Perlmutter-Moroz, Goldblum, Gitter & Vries**; Myoglobinuria and sea-snake-bite poisoning, **Reid (2)**; Venom of the viper, **Rivet**; Use of *Naja* venom to block axonal conduction by curare, **Rosenberg & Ehrenpreis**; Properties of *Boiga blandingii* venom when eating bats, **Rosevear (2)**; Venom apparatus and nature of venom in *Crotalus*, **Russell (2)**; Injuries by venomous animals, **Russell (4)**; *Crotalus adamanteus* and *C. atrox* venoms, **Russell & Emery (1)**; Effects of *Crotalus* venom on neuromuscular transmission, **Russell & Long**; Properties and physiological effects of *Crotalus* venom, **Russell, Michaelis & Buess**; Effect of snake venoms on neuromuscular transmission, **Russell, O'Brien & Inaba**; Micro- and immunoelectrophoresis of snake venoms, **Strauss & Grunbaum**; Venoms of African snakes, a general survey, **Sweeney**; Venom of Uganda snakes and their biting methods, **Temple-Perkins**; Action of venom phosphodiesterase on DNA, **Williams, Sung & Laskowski.**

Treatment: Antivenines.—Diagnosis of Crotalidae venenation, general notes on snake venom, bites and poisoning, **Anon (4)**; General notes on adder bites and their treatment, **Anon (6)**; Formulae for antivenins, **Bazarusanga**; Snake bite, prevention and treatment, **Cansdale**; Reports on a bite by *Crotalus ruber ruber*, symptoms and treatment, **Clarke**; Poisonous snakes, venom, bite and treatment, **Conant (4)**; Use of snake venom phosphodiesterase for testing nucleic acid preparations from tobacco mosaic virus, **Diener, T. O.**; Treatment of experimental rattlesnake venom intoxication, **Fischer, Ramsey, Simon & Gennaro**; Comparative

testing of serum against poison of *Vipera ammodytes ammodytes*, **Nedjalkov**; Electrophoretic and chromatographic analyses of *Vipera ammodytes* venom, **Nedjalkov & Nashkowa**; Histopathological study on serum therapy against Habu-snake bite, **Okonogi, Hoshi, Homma & Iizuka**; Diagnosis, prognosis and treatment of sea-snake bite, **Reid (1)**; Use of *Crotalus* monovalent antivenin from rabbit serum, **Russell (1)**; Treatment of rattlesnake bite, **Russell (2)**; Effects of corticosteroids on lethality of *Ancistrodon contortrix* venom, **Russell & Emery (2)**; Epidemiology of poisonous snakebite in the Amami and Ryukyu Islands, **Sasa, Teruya, Uchiyama & Iwai**; Improvement of Habu snake antivenin, **Sawai, Makino, Miyasaki et al.**; African snake bite cures, **Sweeney**.

GEOGRAPHICAL DISTRIBUTION

General: Zoogeography.—Reptilia from Suriname, **Audretsch**; Lizards of the Great Basin, **Banta (4)**; Zoogeographical study of the herpetofauna of Bulgaria, **Beškov**; †Zoogeography and palaeoecology of western N. American tortoises, **Brattstrom (1)**; Sea turtle, **Brongersma (3)**; Zoogeographical affinities of the herpetofauna of Tishomingo Co., Mississippi, **Ferguson**; Zoogeographical study of *Leiosaurus*, **Gallardo (1)**; Geographical variability of *Liolaemus alticolor*, **Hellmich**; Reptiles of Canada and Alaska, a check list, **Logier & Toner**; Distribution of Mediterranean reptiles, **Petit & Knoepffler**; Scottish Turtle Records 1954–1960, **Stephen**; Statistical zoogeography, study of regional populations, **Stugren & Rădulescu**; Fossil and recent reptiles, **Terent'ev**; Geographic variation of *Sternothaerus* in N. America, **Tinkle (3)**; Range of *Natrix harteri* in Texas, **Tinkle & Conant**; Northerly range extension of the smooth earth snake, **Westing**.

PALEARCTIC REGION

Europe.—(*Lacerta praticola*), **Stugren (1)**.

Aden.—Lizards, **Popov**.

Adriatic Islands.—Evolutionary study, **Radovanović (1) & (2)**.

Afghanistan.—Lindberg.

Africa.—†Morocco, Atlas Mts., Theropoda, **Arambourg & Duffaud**; †Libya, Tertiary, **Arambourg & Magnier**; †Djebel Semène, Tunisia, Pontian, *Testudo* sp. nov., **Bergounioux (1)**; Morocco, general herpetology, **Bons**; †Libya, Dor and Talah, *Pterosphenus*, **Hoffstetter (3)**; Libyan desert, Eocene, *Pterosphenus*, **Hoffstetter (5)**; N. Africa, *Testudo graeca*, **Leutscher (1)**; Sahara, **Valverde (1)** Morocco, *Testudo graeca*, **Vinter & Green**.

Arabia.—†Cretaceous, **Dubertret in Arambourg, Dubertret, Signeux & Sornay**; Saudi Arabia, collection of reptiles, **Haas (2)**; †Roseifa, marine reptiles, **Signeux in Arambourg, Dubertret, Signeux & Sornay**.

Armenia.—Arax river valley, *Phrynocephalus*, **Darevskii (1)**; Caucasus, parthenogenesis in *Lacerta*, **Darevskii & Kulikowa**.

Austria.—†Vienna Basin, **Bachmayer (1)**; †Turtles, **Bachmayer (2)**; †New *Ptychogaster* sp. **Bachmayer & Schaffer; Eiselt**; Snakes, **Sochurek**; †General, **Thenius**.

Azores.—*Lacerta dugesii*, **Ulfstrand**.

Belgium.—**Eeckhoudt**; *Natrix*, **Tercafs (1)**.

Black Sea area.—Statistical survey, **Stugren & Rădulescu**; Lists, **Valkanov**.

Bulgaria.—Herpetofauna, **Beškov**.

Canary Islands.†General, **Bravo**.

Channel Islands.—Jersey, *Caretta*, **LeSueur**.

China.—†*Anosteira*, Shantung, **Cheng**; †Microstructure of egg-shells, **Chow (1)**; †Cretaceous, turtles, **Chow (2)**; †Pleistocene, *Chinemys reevesii*, **Chow (3)**; †Pleistocene *Chinemys*, **Chow (4)**; †Yunnan, Trias reptiles, **Hu**; †Triassic, Anomodontia, **Sun (1)**; †Shantung, Miocene, **Sun (2)**; †Index fossils, **Yang, Liu & Chu**; †Shansi, *Shansiodon* gen. nov., **Yeh (1)**; †Box turtle, **Yeh (2)**; †Lufeng, saurischian fauna, **Young (1)**; †*Mamenchisaurus constructus*, **Young (2)**; †Reptile eggs, Shantung, **Young (3)**; †Footprints, **Young (5)**; †New localities of Sauropterygia, **Young (6)**; †Shantung, new crocodile, **Young (7)**; †NW Shansi—cynodont, **Young (9)**; †Lacertilia, **Young (10)**; †Szechuan, **Young & Chow**.

Corfu.—Reptilia, **Mertens (2)**.

Czechoslovakia.—†Quaternary, **Fejfar**.

Denmark.—†Eocene, turtles, **Nielsen, E.**

Egypt.—*Dasypeltis*, **Gans (9)**.

France.—†*Dacosaurus*, **Debelmas & Strannoloubsky**; †Bourbon-l'Archambault and Lodève, Ichnites, **Doubinger & Heyler**; †Jurassic *Metriorhynchus*, **Dubar**; *Coronella girondica*, **Duguy**; †General, **Girard d'Albissin**; †Miocene, Squamata, **Hoffstetter (2)**; (South) snake and lizards, photos., **Hoogmoed**; Provence, general reptiles, **Knoepffler, L.-P. (1) & (2)**; †*Metriorhynchus*, **Kuhn-Schnyder (3)**; †Jurassic *Ichthyosaurus*, **Mariette**; †Cretaceous, dinosaur eggs, **Plaziat**; †Dinosaur eggs, Roques-Hautes, **Touraine**.

Germany.—†New footprint, **Aumann**; †Bavaria, Jurassic Sauria, **Cocude-Michel (2)**; †Oligocene *Trionyx* and *Anosteira*, **Gramann**; †Ichnites, **Heller (2)**; Interglacial period, **Heller (3)**; †Placodontia, **Huene (3)**; †Black Forest, **Huene (4)**; †Orenburg, Trias, pseudosuchian, **Huene (7)**; Neustadt region, general, **König**; †Lias, turtle, **Kuhn (3)**; †Fauna of the Solnhofen shales, **Kuhn (5)**; †Lias, *Chirotherium*, **Laemmlen**; †Footprints, **Lohmann**; †Bavaria, Solnhofen turtle skull, **Parsons & Williams**; †Crocodile, Holzmaden, **Prufer**; †Cretaceous, **Sickenberg**.

Great Britain.—*Dermochelys* off Cymyran shore, Anglesey, **Burdon-Jones**; Isle of Wight to Yorkshire, **Casey, R.**; †Gloucestershire, **Clifford**; †Portland turtle skull, **Parsons & Williams**; Elgin area, Triassic *Stagonolepis* and *Dasygnathus*, **Walker**.

Holland see under **Netherlands**.

Hungary.—Postglacial vertebrates, **Jánossy**; *Emys orbicularis*, **Marián & Szabó**.

Israel.—†Ma'ayan Netafim area, Eilat, **Haas (1)**; List of reptiles, **Hoofien in Barash**.

Italy.—†Crocodile, **Leonardi (1)**; †*Nothosaurus*, **Vialli**.

Jordan.—†Quaternary fauna, **Haas (3)**.

Lebanon.—†Ksâr' Akil, **Hooijer**.

Mediterranean Islands.—Rovinj Archipelago, **Bole, Brelih & Zei**; Cyclades, *Elaphe*, **Buchholz**; †Sardinia, Miocene, general, **Comaschi Caria (1)**; †Sardinia, Miocene, Chelonia, **Comaschi Caria (2)**; Columbretes Islands, *Natrix maura*, **Klemmer**; Gulf of Salerno Islands, lizards, **Mertens (3)**.

Mongolia.—†General, **Orlov (2)**; †Gobi desert, dinosaurs, **Roshdestwenski**.

Netherlands.—†Losser, **Anderson, W. F.**; Sea turtles, **Brongersma (3)**; Venlo, Reptilia general, **Hermans**; S. Limburg, **Horst**; General, **Wijngaarden**.

Poland.—†Cracow, Trias *Nothosaurus*, **Lis & Wójcik**; †Pliocene & Pleistocene Colubridae, **Młynarski (1)**; Keys for identification of reptiles, **Młynarski (2)**; †Colubridae, Giebultów, **Młynarski (3)**.

Portugal.—†Miocene, *Tomistoma*, **Antunes (1)**.

Roumania.—*Anguis fragilis*, **Fuhn**; General work, **Fuhn & Vancea (1)**; *Eremias*, **Fuhn & Vancea (2)**; Danube delta, Letea, Caraorman and Sărături, *Lacerta, Eremias* and *Vipera*, **Stugren (2)**; *Lacerta vivipara*, **Stugren & Vancea**; *Lacerta muralis muralis*, **Vancea**; Eastern Carpathians, *Vipera berus bosniensis*, **Vancea & Banyai.**

Russia.—†Permskaya Oblast, **Chudinov**; Tannu—Ola Mts., Tuva, **Flint & Golovkin**; †Georgia, Sataplin, Ichnites, **Gabuniya, L. K.**; †Dzegam Azerbaidjan, *Ichthyosaurus*, **Khalilov, Aliev & Alizade**; †General, **Kiparisova** [Editor]; †General, **Krimholz** [Editor]; *Vipera*, Yakutsk, Siberia, **Larionov**; †Thecodont, **Ochev**; †Permian Deinocephalia, **Orlov (1)**; Kalinin district, **Shaposhnikov, Golovin, Sorokin & Tarakanov**; Northern Prearal, **Shilov**; †Vladimirskaya Oblast, **Tatarinov (1)**; †Pseudosuchians, **Tatarinov (2)**; Khirghiz, **Yakovleva.**

Spain.—†Cretaceous, **Bataller (2)**; †Catalogne, **Bergounioux (3)**; †Tárrega, **Santonja & Crusafont Pairó**; La Marisma del Guadalquivir, **Valverde (2).**

Sweden.—Herpetology in the last 150 years, **Curry-Lindahl (1).**

Switzerland.—†Bern, *Ichthyosaurus*, **Furrer**; *Natrix n. natrix* and *N. n. helvetica*, **Kramer (1)**; †Canton Grisons *Pachypleurosaurus* n.sp., **Kuhn-Schnyder (1)**; †*Tanystropheus longobardicus*, **Kuhn-Schnyder (2)**; †*Askeptosaurus italicus* pectoral girdle, Trias, **Kuhn-Schnyder (5).**

Yugoslavia.—Ljubljana *Lacerta* ssp.nov., **Brelih.**

ORIENTAL REGION

Asia.—S.E. Asia, cobras, **Deraniyagala (4)**; Hazard of sea snake poisoning, **Reid (1).**

Borneo.—*Lanthanotus borneensis*, **Harrisson & Haile (2).**

Burma.—Rangoon, *Hemidactylus*, **Tyler (2).**

Hong Kong.—Snakes, **Romer, J. D.**

India.—Malabar, *Echis carinata*, **Adiyodi (2)**; Desert of Rajasthan, lizards, **Dave**; †Palaeozoic, **Efremov**; Rajasthan desert, **Krishna & Dave (2)**; †Dinosaurs, **Lapparent**; *Calotes versicolor*, Goa, **Manaças (2)**; *Varanus*, **Misra (2)**; Bengal, *Gekko gecko*, **Nair.**

Indo-China.—Southern Vietnam Laos, *Calliophis*, **Deuve (1)**; Laos, snakes, **Deuve (2)**; North Vietnam, Thai-Nguêyn, **Tien.**

Indonesia.—Java, Bandung, **Church & Lim**; *Trimeresurus*, Sumatra, **Coomans de Ruiter, L.**; *Varanus komodoensis*, **Hoogerwerf**; Sumatra, new colubrid *Pseudorabdion*, **Inger & Leviton**; Sumatra, sea snakes, **Shaw (2).**

Malaya.—*Dermochelys*, **Anon (3)**; Singapore, snakes, **Harman**; Turtles, **Hendrickson & Alfred**; Conservation of *Dermochelys*, **Milton.**

Philippine Islands.—Palawan Island, *Lygosoma* sp. nov., **Brown & Alcala (1)**; Reptile population, Cuernos de Negros, **Brown & Alcala (2)**; *Opisthotropis* first record, **Brown & Leviton**; New subspecies of *Dendrelaphis*, **Leviton (1)**; Key to venomous snakes, **Leviton (2).**

AUSTRALIAN REGION AND POLYNESIA

Australia.—New South Wales, *Egernia*, **Cogger**; Snakes, **Cogger & Holmes**; †Trias, Canning Basin, **McKenzie**; *Varanus*, **Mertens (1)**; †Plesiosaurs, **Persson**; †Cenozoic reptiles, Tirari Desert, **Stirton, Tedford & Miller**; *Ablepharus* subsp.nov. Esperance area W. **Australia, Storr**; Western Australia, Recherche Archipelago, **Worrell (2).**

New Guinea.—*Sphenomorphus*, **Inger**; *Tiliqua*, **Menne (1)**; Snakes, lizards and tortoises, colour photos., **Schultze-Westrum**; General, **Tyler (1).**

Timor.—Reptile hosts of ticks, **Cabrier da Silva.**

Tonga.—Origin of Tonga's tortoise, **Lever.**

ETHIOPIAN REGION

Africa.—*Tarentola annularis—ephippiata* complex, **Grandison**; †Dinosaurs, **Lapparent**; †Evolution of vertebrates, **Meléndez**; *Tarentola hoggarensis*, **Pasteur (1).**

West Africa.—Snakes, **Cansdale**; *Agama*, Liberia; **Daniel**; Portuguese Guinea, general study, **Manaças (1)**, Ivory Coast, **Pasteur (2)**; Cameroons, herpetology general, **Perret.**

East Africa.—Uganda and N. Rhodesia, **Cott**; *Bitis*, Kenya, **Kramer (2)**; Mozambique, Gorongosa, general study, **Manaças (3)**; General, **Skelton-Bourgeois (1).**

Central Africa.—†Angola, Cretaceous, general vertebrate fauna, Iembe, **Antunes (2)**; *Mehelya* Southern Rhodesia, **Broadley (1)**; S. Rhodesia, *Dendroaspis*, **Broadley (2)**; North Rhodesia, snakes, H. J. Bredo collection, **Broadley & Pitman**; Southern Rhodesia, **Bruggen (2)**; Ruanda, Kagera National Park, **Curry-Lindahl (2)**; *Dasypeltis*, Sudan, **Gans (9)**; Ruanda-Urundi, **Laurent (1)**; Kivu, **Laurent (3)**; Stanley Pool, **Skelton-Bourgeois (2)**; Nyasaland, snakes, **Sweeney**; Tchad, **Wake & Kluge**; Congo, *Typhlops* new subsp., **Witte (1)**; Congo, Ruanda-Urundi, chamaeleons, **Witte (2).**

South Africa.—Tortoises, **Backer**; Tapinocephalidae skulls, **Boonstra (1)**; Loskop Dam Nature Reserve, **Brain (2)**; †Basutoland, Ichnites, **Ellenberger, F. & P. (2)**; †Triassic, **Estes (1)**; †Natal, Escourt, ammodont, **Ewer**; *Dasypeltis*, **Gans (9)**; †Basutoland, tritylodont, Trias, **Ginsburg**; SW Africa, lizards, **Hoesch (2)**; Lizards, **Poynton**; Lizard body temperatures, **Stebbins**; †Permian anomodonts, **Watson.**

Madagascar.—†Karroo deposits, **Besairie**; †*Madtsoia* sp. nov., **Hoffstetter (4).**

South Atlantic Islands.—Islands in the Gulf of Guinea, snakes collected by L. Fea, **Capocaccia (2)**; Ascension Island, *Hemidactylus*, **Loveridge, A. (2).**

NEARCTIC REGION

Canada.—British Columbia, *Thamnophis*, **Batts**; Chelonia, Squamata and Serpentes, **Logier & Toner.**

United States of America.—Great Basin, lizards, **Banta (4)**; †Tortoises, **Brattstrom (1)**; Chuckawallas and collared lizards, **Bustard (19)**; Great Plains and Rocky Mountains, *Thamnophis*, **Fitch & Maslin**; Chelonia, Squamata and Serpentes, **Logier & Toner**; †Cretaceous, hadrosaurs, **Ostrom (1)**; Venomous snakes, **Russell (2)**; *Sternothaerus odoratus*, **Tinkle (3).**

North Eastern States.—New York, Erie Co., *Natrix*, **Baarslag**; New York, Testudines, **Benton & Smiley**; New Jersey, *Trionyx spinifer* established, **Conant (2)**; Maryland, *Lampropeltis*, **Cooper, J. E. (1)**; Maryland, non-indigenous turtles, **Cooper, J. E. (2)**; United States, eastern, *Heterodon platyrhinos*, **Edgren**; Michigan, *Sistrurus c. catenatus*, **Fowler**; Michigan, *Pseudemys scripta elegans*, Oakland Co., new record, **Gordon & Fowler**; †Eastern States, Trias fauna, **Gregory**; Ohio, general herpetology, **Hirschfeld & Collins**; †Pleistocene, **Martin & Harrell**; †Pennsylvania, Carboniferous, **Romer, A. S. (1)**; Maryland, introduced *Graptemys kohni*, **Schwartz & Dutcher**; Illinois, critical review, distribution and ecology, **Smith, P. W.**; Reptiles, Allegheny River Valley, New York State, **Stewart**; *Sternothaerus* in

Connecticut, Illinois, Indiana, Kansas, Maryland, Michigan, New Jersey, New York & Pennsylvania, **Tinkle (3)**; Indiana, *Virginia*, **Westing.**

South Eastern States.—Mississippi and Louisiana *Storeria* population study, **Anderson, P. K.**; Tennessee, cave dwellers, **Barr**; Mississippi, ribbon snakes, **Cliburn (2)**; Florida, *Anolis*, **Collette**; †Florida, Oklahoma, **Etheridge (2)**; Mississippi, Tishomingo Co., herpetofauna, **Ferguson**; North Carolina, *Rhadinaea flavilata*, **Funderburg**; Georgia, Fort Benning, lizards, **Hamilton & Pollack**; †Florida, Pleistocene, **Holman (1) & (2)**; Georgia, **Karstad**; Florida, Gainesville, *Micrurus*, **Meachem & Myers**; Florida, Key West, *Anolis*, **Moonen**; *Sternothaerus* in Alabama, Arkansas, Florida, Georgia, Louisiana, and Tennessee, **Tinkle (3)**.

Middle and Western States.—Ohio, rattlesnakes, **Adler (2)**; Ohio, reptiles surveyed, **Adler (3)**; Ohio, new records, **Adler & Dennis**; Texas, *Storeria* population study, **Anderson, P. K.**; Nevada, *Platyrhinos*, **Banta (2)**; †Kansas, **Batts**; New Mexico, *Crotalus willardi silus*, **Bogert & Degenhardt**; Oklahoma, *Uta stansburiana*, **Carpenter, Cleveland, Talbot et al.**; *Urosaurus ornatus* Huachuca Mt., Arizona, **Carpenter & Grubitz (2)**; †Wyoming, *Poposaurus*, **Colbert (2)**; Ohio, Hamilton Co. herpetological records, **Collins & Haggard**; Texas, epizoophytic algae on turtles, **Dixon (1)**; New Mexico, Albuquerque, *Cnemidophorus*, **Forbes**; Texas, *Tantilla* sp. nov, **Fouquette & Potter**; †Kansas, Pleistocene, general, **Hibbard & Taylor**; Arizona, Phoenix, *Heloderma*, **Hoevers (2)**; Oklahoma, Tulsa Co., *Sonora episcopa*, **Kassing**; Ohio, general zoology, **Kirtland**; Texas, *Sistrurus*, **Knopf & Tinkle**; NE Ohio, new records, **Kuhns (2)**; Texas, *Storeria*, **Long, R. J.**; Texas, Brewster Co., *Ficimia cana*, **McCoy (2)**; Oklahoma, *Thamnophis marcianus*, **McCoy (4)**; Ohio, copperhead, ecology, **McDuffie**; †Texas, Pleistocene, Friesenhahn Cave, **Mecham**; Texas, *Cnemidophorus*, **Milstead (2)**; Texas, Stockton Plateau herpetofauna, **Milstead (4)**; Texas, activities of reptiles in Brewster Co., **Milstead (6)**; Texas, Big Bend region, **Minton**; †New Mexico, dinosaur, **Ostrom (2)**; Texas, Gonzales Co., survey of reptiles, **Raun**; Ohio, new record for *Lygosoma*, **Seibert**; †Utah, dinosaur tracks, Jurassic and Triassic, **Stokes & Bruhn**; Texas, *Uta stansburiana stejnegeri*, **Tinkle (2)**; *Sternothaerus*, Texas, **Tinkle (3)**; Texas, *Natrix harteri*, **Tinkle & Conant**; Oklahoma, Lake Texoma, *Pseudemys* and *Graptemys*, **Webb (3)**; Texas, **Webb & Packard**; †Texas, Pleistocene turtle, **Williams, T. E.**

Pacific Coast States.—California, Riverside Co., lizards, **Belkin**; Chelonians, NE Pacific coast, **Radovich.**

CENTRAL AMERICA

British Honduras.—New herpetological records, **Fugler**; Herpetological study, **Neill & Allen (1)**; Colubridae, **Neill & Allen (2).**

Mexico.—San Luis Potosi, Nuevo Leon, Veracruz and Puebla; *Storeria* populations, **Anderson, P. K.**; *Sceloporus prezygous* Chiapas, **Axtell (1)**; *Cnemidophorus*, **Axtell (4)**; Aguascalientes, *Arizona*, **Banta & Leviton (2)**; Volcano Paricutin—effect on reptiles, **Burt**; Northern Mexico, chuckawallas and collared lizards, **Bustard (19)**; Turtle distribution, Pacific coast, **Carr (1)**; *Lepidochelys*, **Carr (2)**; *Natrix* and *Thamnophis*, **Conant (1)**; Chilpancingo Region, lizards and turtles, **Davis & Dixon**; Epizoophytic algae on turtles, **Dixon (1)**; Michoacán species list, **Duellman**; Isla Cerralvo, herpetological additions, **Etheridge (1)**; Sinaloa, El Dorado Area, herpetofauna, **Fugler & Dixon**; Desert lizards, **Hoevers (1)**; Gulf coast Baja California, turtles, **Hubbs**; Zacatecas State, *Gyalopion*, **Leviton & Banta**; San Luis Potosi, **Licht & Gehlbach**; Zacatecas, *Ficimia cana*, **McCoy (2)**; †Pleistocene, **Martin & Harrell**; Chihuahuan desert, **Milstead (3)**; Tijuana, *Gerrhonotus*, **Mitchell**; SW and coastal Michoacan, **Peters *in* Brand**; S. Mexico and C. America, ribbon snakes, **Rossman**; Cerralvo Is. *Eridiphas*, **Soulé**; Chihuahua, *Conopsis*, **Tanner**; Durango, new *Lampropeltis*, **Webb, (1)**; Notes on reptiles, **Webb (2)**; *Abronia* and *Xenosaurus*, n.spp., **Werler & Shannon**; Coahuila, *Kinosternon*, **Williams, K. L. (2)**; Northern Mexico, **Williams, Chrapliwy & Smith.**

Panama.—Ft. Clayton, *Lepidodactylus*, **Smith & Grant.**

West Indies.—Cuba, *Anolis*, **Collette**; Haiti, *Sphaerodactylus*, **Lazell**; *Anolis koopmani*, Haiti, **Rand (3)**; Cuba, *Anolis*, **Ruibal & Williams (1) & (2)**; Cuba, *Sphaerodactylus*, **Schwartz, A.**; *Anolis*, Hispaniola, **Williams, E. E.**; *Anolis semilineatus*, Haiti, Hispaniola, **Williams & Rand.**

SOUTH AMERICA

Argentina.—Buenos Aires province *Bothrops*, **Barrio (2)**; †New Triassic thecodonts, **Casamiquela**; †Neuquen, **Cattoi & Freiberg**; Herpetology, **Cei**; Andes *Liolaemus*, **Donoso-Barros (2)**; Herpetology, **Gallardo (2)**; †Trias, Arcosauria, **Reig (1)**; †Thecodontia, **Reig (2)**; †New Mesozoic crocodile, **Saez.**

Brazil.—Snakes, **Lüling**; Teiid lizards, **Milstead (5)**; †*Globidens* first record from S. America, Cretaceous, **Price (1)**; †Chapada do Araripe, Notosuchidae, **Price (2)**; *Bachia*, **Vanzolini (2)**; Marajó, *Dracaena*, **Vanzolini (3).**

Chile.—General ecology, **Donoso-Barros (1)**; Andes *Liolaemus*, **Donoso-Barros (2)**; General, **Mann.**

Colombia.—†Miocene, **Estes (2)**; †General, **Porta.**

Ecuador.—*Euspondylus*, **Uzzell.**

Galapagos Islands.—General, **Dorst**; *Geochelone elephantopus*, **Dowling (1).**

Guiana.—Surinam, Reptilia, **Audretsch**; Surinam, zoogeography, **Geijskes.**

Peru.—*Amphisbaena occidentalis*, **Gans (11)**; *Ophiognomon*, **Vanzolini (4).**

South Atlantic Islands.—Queimada Grande Is., *Bothrops* sexual abnormality, **Hoge, Belluomini, Schreiber & Penha.**

Uruguay.—General ecology, **Chebataroff, J.**; Carrasco Region, **Legrand**; *Philodryas* subsp. nov., **Orejas Miranda (1)**; *Philodryas*, **Orejas Miranda (3)**; *Wallsaurus* sp. nov., **Vaz-Ferreira & Sierra de Soriano.**

Venezuela.—*Bothrops venezuelae* nov. sp., **Montilla**; *Bothrops pifanoi* nov. sp., **Montilla & Römer**; *Atractus* n.spp., **Roze.**

PALAEONTOLOGY AND GEOLOGICAL DISTRIBUTION

General.—Palaeolithic, Lebanon, **Hooijer**; Fossil reptiles, evolution and occurrence, **Kuhn (2)**; Reptiles of Tirari Desert, S. Australia, **Stirton, Tedford & Miller**; Palaeogene, **Thenius.**

Holocene.—Hungary; **Jánossy**; Interglacial remains, **Heller (3)**; Box turtle, China, **Yeh (2).**

Quaternary.—Czechoslovakia, **Fejfar**; Jordan valley, **Haas (3)**; Poland, Colubridae, **Młynarski (3).**

Pleistocene.—Canary Is., *Lacerta*, **Bravo**; *Chinemys reevesii*, Shihhung China, **Chow (3)**; *Chinemys*, Shansi China, **Chow (4)**; N. America, *Ophisaurus*, **Etheridge (2)**; Kansas, general, **Hibbard & Taylor**; Florida U.S.A., **Holman (1) & (2)**; America, **Martin & Harrell**; Friesenhahn Cave, Texas, **Mecham**; Colubridae, Poland, **Młynarski (1)**; Texas, **Williams, T. E.**

Pliocene.—Testudines, **Bachmayer (1)**; Poland, Colubridae, **Młynarski (1).**

Tertiary.—Libya, **Arambourg & Magnier**; Spain, **Bergounioux (3)**; Tetrapods, **Huene (1)**; **Thenius, in Lotze.**

Miocene.—Helvetian, *Tomistoma* Portugal, **Antunes (1)**; Chelonians, **Bachmayer (2)**; New *Ptychogaster* sp., **Bachmayer & Schaffer**; Pontian, Tunisia *Testudo* sp. nov., **Bergounioux (1)**; N. American tortoises, **Brattstrom (1)**; Burdigalian, **Chaline**; General macrofauna, Sardinia, **Comaschi Caria (1)**; Sardinia, Chelonia, **Comaschi Caria (2)**; *Crocodylus* Morocco, **Destombes, Jeannette & Lapparent**; Colombia, **Estes (2)**); France, Squamata, **Hoffstetter (2)**; China, snakes, **Sun (2).**

Oligocene.—N. American tortoises, **Brattstrom (1)**; Shantung, turtle, **Cheng**; France, **Girard d'Albissin**; *Trionyx* and *Anosteira*, W. Germany, **Gramann**; Spain, **Santonja & Crusafont Pairó**; Amphisbaenidae, China, **Young (10).**

Eocene.—Chelonian, Netherlands, **Anderson, W. F.**; *Pterosphenus*, Libyan desert, **Hoffstetter (3) & (5)**; Turtles, Denmark, **Nielsen, E.**

Cretaceous.—Angola, general, **Antunes (2)**; Spain, **Bataller (2)**; Lower Greensand, **Casey, R.**; Fossil egg-shells, China; **Chow (1)**; Turtles, China, **Chow (2)**; Crocodile, France, **Debelmas & Demians d'Archimbaud**; *Dacosaurus* France, **Debelmas & Strannoloubsky**; Arabian peninsula, **Dubertret, L.** *in* **Arambourg, Dubertret, Signeux & Sornay**; Dinosaur eggs, France, **Dughi, Rey & Sirugue**; Ichnites, Georgia, U.S.S.R., **Gabuniya, L. K.**; Cenomanian, Israel, **Haas (1)**; Madagascar, *Madtsoia*, **Hoffstetter (4)**; Mosasaur, **Kauffman & Kesling (1)**; Azerbaidjan SSR, *Ichthyosaurus*, **Khalilov, Aliev & Alizade**; Dalmatia, Hvar-Lesina, **Langer**; Africa & India, **Lapparent**; Dinosaur eggs, Montpellier, **Mattauer & Thaler**; Hadrosaurs, North America, **Ostrom (1)**; Dinosaurs, New Mexico, **Ostrom (2)**; Plesiosaurs, Australia, **Persson**; Dinosaur eggs, France, **Piaziat**; *Globidens*, Brazil, **Price (1)**; Brazil, new Notosuchidae, **Price (2)**; Germany, crocodile, **Sickenberg**; Dinosaur eggs, France, **Touraine**; Varanidae, China, **Young (10).**

Jurassic.—Neocomian Argentina, **Cattoi & Freiberg**; Gloucestershire, **Clifford**; *Homoeosaurus*, **Cocude-Michel (1)**; Portlandian, Sauria, Germany, **Cocude-Michel (2)**; *Metriorhynchus*, N. France, **Dubar**; U.S.S.R., **Krimholz** [Editor]; *Metriorhynchus* France, **Kuhn-Schnyder (3)**; Crocodile, Italy, **Leonardi (1)**; *Ichthyosaurus*, Boulogne, France, **Mariette**; Volga basin, **Orlov (2)**; Portland and Solnhofen turtle skulls, **Parsons & Williams**; Crocodile, Germany, **Prufer**; Dinosaur tracks, Utah, **Stokes & Bruhn**; New crocodile, China, **Young (7).**

Lias.—New footprint, **Aumann**; *Ichthyosaurus*, **Heller (1)**; Ichnites, Germany, **Heller (2)**; S.W. Germany, turtle, **Kuhn (3)**; *Chirotherium*, **Laemmlen**; Germany, England, crocodiles, **Westphal.**

Trias.—Morocco, Theropoda, **Arambourg & Duffaud**; Karroo, Madagascar, **Besairie**; New Thecodonts, Argentina, **Casamiquela**; Maleri fauna, India, **Colbert (1)**; *Poposaurus*, Wyoming, **Colbert (2)**; Basutoland, Ichnites, **Ellenberger, F. & P. (2)**; Karroo, S. Africa, *Thrinaxodon*, **Estes (1)**; Tritylodont, Basutoland, **Ginsburg**; North America, **Gregory**; China, **Hu**; Germany, Pseudosuchian, **Huene (4)**; Placodontia, Württemberg, **Huene (5)**; Pseudosuchian, Orenburg, **Huene (7)**; U.S.S.R., **Kiparisova**[Editor]; Landinian?, Switzerland *Pachypleurosaurus* n.sp., **Kuhn-Schnyder (1)**; *Tanystropheus longobardicus*, Switzerland, **Kuhn-Schnyder (2)**; *Askeptosaurus italicus* pectoral girdle, Switzerland, **Kuhn-Schnyder (5)**; *Chirotherium*, **Leonardi (2)**; Cracow, *Nothosaurus*, **Lis & Wójcik**; Footprints, Germany, **Lohmann**; Blina Shales, Western Australia, **McKenzie**; Africa, **Meléndez**; Thecodont, Russia, **Ochev**; Argentina, Arcosauria, **Reig (1)**; Thecodontia, Argentina, **Reig (2)**; Dinosaur tracks, Utah, **Stokes & Bruhn**; China, Anomodontia, **Sun (1)**; *Nothosaurus*, Italy, **Vialli**; Elgin area, *Stagonolepis* and *Dasygnathus*, **Walker**; *Shansiodon* gen. nov. China, **Yeh (1)**; Lufeng, China, Saurischian fauna, **Young (1)**; Cynodont from Shansi, **Young (9).**

Mesozoic.—**Crusafont Pairó (1)**; New crocodile, Argentine, **Saez**; Thermo-regulation in recent and Mesozoic reptiles, **Strelnikov**; Szechuan, **Young & Chow.**

Permian.—Therapsids, U.S.S.R., **Chudinov**; Lodève, Ichnites, **Doubinger & Heyler**; Africa, **Meléndez**; Deinocephalia, U.S.S.R., **Orlov (1)**; Volga and North Dvina, **Orlov (2)**; Pseudosuchians, U.S.S.R., **Tatarinov (1)**; South Africa, anomodont, **Watson.**

Carboniferous.—Pittsburgh region, pelycosaur, **Romer, A. S. (1).**

Palaeozoic.—India, **Efremov.**

III—SYSTEMATIC INDEX

Note.—The arrangement here used follows in general that of Romer's "Vertebrate Paleontology" the main difference being that the families within the orders are arranged alphabetically and not in any evolutionary sequence.

Chelonia, Rhynchocephalia and Crocodylia, arranged according to Wermuth & Mertens, "Schildkröten, Krokodile, Brückenechsen."

Reference to the "Titles" is by the name(s) of the author(s) printed in Clarendon type.

REPTILIA

General fossil.—Cretaceous fauna of Iembe Angola, **Antunes (2)**; Cranial morphology, evolution and affinities of ichthyosaurs, **Appleby**; Therapsid and Theropod teeth from the Trias, Atlas Mts., Morocco, **Arambourg** in **Arambourg & Duffaud**; Palaeontological finds in the Karroo of Madagascar between Cap Saint André and South Onilahy, **Besairie**; On some small Therocephalians, relationship of Ictidosuchidae and Scaloposauridae discussed, **Brink (2)**; Reptilia found in the Lower Greensand and included in a faunal list, **Casey, R.**; Reptilia from the Jurassic of Gloucestershire, **Clifford**; Dinosaurs, figs., photos., evolution, ecology, classification, tracks, reactions and general natural history, **Colbert (3)**; Palaeobiological study of the end of the Mesozoic era, **Crusafont Pairó (1)**; Reptilia and reptile evolution, figs., maps, tables and graphs, **Fuhn & Vancea (1)**; Significance of pseudosuchians and phytosaurs in late Triassic deposits of North America, **Gregory**; Plesiosaur vertebra from the Cenomanian of Ma'ayan Netafim, Eilat, Israel, **Haas (1)**; Reptile fauna of the Quaternary period from Ubeidije, near Afikim (Jordan Valley), **Haas (3)**; General reptilian paleontology and evolution, **Heyler**; Pleistocene reptiles, Florida, U.S.A., **Holman (2)**; Phylogeny, structure and systematic descriptions of reptiles, **Huene (2)**; Dicynodont skeletons in Tübingen Palaeontological Museum, **Huene (3)**; Reptile phylogeny and palaeontology, **Huene (6)**; Comparative osteology, **Kaiser**; Toothmarks from a mosasaur of the Platecarpinae found on an ammonite, snout comparable with *Platecarpus brachycephalus* and *Ancylocentrum overtoni* types, probably a deep diver feeding on cephalopods, **Kauffman & Kesling (1)**; Families of fossil reptiles, notes on evolution, relations and geological occurrence, **Kuhn (2)**; Millerosauria to Choristodera, catalogue, **Kuhn (4)**; Fossilium

catalogus cont., Protorosauria to Pelycosauria, **Kuhn (6)**; Dinosaur-bearing localities in India and Africa, **Lapparent**; Evolution, phylogeny and structure of the lower reptiles, **Lehman (1)**; Evolution of reptiles, figs., **Lehman (2)**; Reptilian evolution in the Permo-Triassic of Africa, **Meléndez**; Outline of the palaeontology of vertebrates, **Orlov (2)**; Labyrinthodont middle ear structure with reference to reptilian evolution, **Parrington (1)**; List and bibliography of reptiles in Florida, **Ray**; Critical revision of thecodont finds in the Trias of Mendoza, systematic position of Rauisuchidae and *Saurosuchus*, **Reig (2)**; Palaeozoological evidence of climate, **Romer, A. S. (2)**; German Triassic placodonts, **Ronchetti**; Brief notes on Cenozoic reptiles of Tirari Desert, S. Australia, **Stirton, Tedford & Miller**; Species A (dinosaur track) Kayenta formation North Creek, Zion National Park; pace average 63 in.; probably herbivorous, bipedal; species B (dinosaur track) Kayenta formation, Flag Point, Kane County, Utah; pace average 65 in., angulation 160° bipedal probably carnivorous, **Stokes & Bruhn**; Aquatic reptiles, **Struve (1)**; Dinosaurs from Tremp (Lerida), **Talens**; Diagnostic characters, phylogeny and review of Jurassic Pliosaurs, **Tarlo**; The Pseudosuchia of Russia, a general study, **Tatarinov (2)**; List of reptiles of Illinois with a bibliography, **Techter**; Evolution, phylogeny and general notes on reptiles, **Terent'ev**; The lateral pubic tubercle and the pelvic attachment of the ambiens muscle in early therapsids, **Vaughn**; Index fossils of China, figs., **Yang, Liu & Chu.**

Fossil Eggs.—Dinosaur eggs from the Cretaceous limit, Aix-en-Provence, **Dughi, Rey & Sirugue**; Dinosaur eggs from the Rognacian at Var, Sillans-la-Cascade, **Fabre-Taxy & Touraine**; Dinosaur eggs from Aix-en-Provence, **Martini**; Dinosaur eggs from the Cretaceous of Montpellier, **Mattauer & Thaler**; Microscopic anatomy of Dinosaur eggs, **Schwarz, Fehse, et al.**; Dinosaur eggs from the Cretaceous of Roques-Hautes (Bouches-du-Rhône), **Touraine**; Reptile eggs from Shantung, China, **Young (3)**.

Oolithes spheroides and *O. elongatus* figs. microstructure of egg-shells, Cretaceous, Laiyang, Shantung China, **Chow (1)**; *Oolithes spheroides* & *O. elongatus*, figs., eggs from Laiyang, Shantung China, Cretaceous?, **Young (3) & (5).**

Ichnites [Fossil Footprints].—Small unidentified reptile footprints from the Permian of Lodève, **Doubinger & Heyler**; Principle types of footprints in the Stormberg beds, Basutoland, figs., **Ellenberger, F. & P. (1)**; Dinosaur tracks from the Triassic and Jurassic of Utah [see under 'General Fossil' for details], **Stokes & Bruhn.**

Brachychirotherium coburgense **sp. nov.** p. 64, pl. 2, 4 text-figs. Löbelstein near Coburg; Middle Keuper, **Aumann.**

Changpeipus **gen. nov.** p. 59 Carnosauria type. sp. *C. carbonicus* **sp. nov.** p. 59, text-figs. 1, 2; pls. 4–6, Middle or Lower Jurassic, Haichou, Fusin Liaoning, China, **Young (5).**

Chirotherium barthii footprints Trias, Germany, **Laemmlen**; Footprints, Spain, Trias, **Leonardi (2).**

Chirotherium colloni footprints, Spain, Trias, **Leonardi (2).**

Chirotherium gallicum, footprints, Spain, Trias, **Leonardi (2).**

Chirotherium ibericus footprints, Spain, Trias, **Leonardi (2).**

Endotherium niinomii Middle or Upper Jurassic, Fusin, Liaoning China, **Young (5).**

Erythrochampsa, Pseudosuchia, new footprints Trias, Basutoland, **Ellenberger, F. & P. (2).**

Ichnites euskelosauroides figs., Karroo, Basutoland, **Ellenberger, F. & P. (1).**

Ichnium dolli, Burghaun, Mbl. Eiterfeld, Triassic, pl. figs., **Lohmann.**

Jeholosauripus s-satoi Saurischia, new locality at Lotoshankou, Liukou, Chengteh, China; Upper Triassic, **Young (5).**

Laiyangpus **gen. nov.** p. 64; Coelosauria type species *L. liui* **sp. nov.** p. 64, pl. figs., 9, 10. Upper Jurasic, Laiyang Series; Peiputze Laiyang, Shantung, **Young (5).**

Manchurochelys manchuensis, Middle or Upper Jurassic, Gaboten (?) Liaoning, China, **Young (5).**

Manchurodon simplicidens Middle or Upper Jurassic, Gabaoten (?) Liaoning China, **Young (5).**

Monjurosuchus splendens Middle or Upper Jurassic, Gaboten (?) Liaoning, China, **Young (5).**

Paralligator sungaricus Upper Cretaceous, Tehhui; Kirin, China, **Young (5).**

Rhynchocephalichnus franconicus **sp. nov.** p. 54, text-fig. 1, pl. 2; Middle Keuper, Lias; Hassfurt on Main, Germany, **Heller (2).**

Sathapliasaurus dsocenidzei text-fig. 29; Sataplin, western Georgia, USSR, Cretaceous, **Gabuniya.**

Sathapliasaurus kandelakii text-fig. 37B, Sataplin, western Georgia, USSR, Cretaceous, **Gabuniya.**

Sathapliasaurus tschabukianii, text-fig. 35; Sataplin, western Georgia, Russia, Cretaceous, **Gabuniya.**

Sphenosuchus Pseudosuchia, new footprints, Trias, Basutoland, **Ellenberger, F. & P. (2).**

Teildardosaurus carbonarus Middle or Upper Jurassic, Fusin, Liaoning China, **Young (5).**

Yabeinosaurus tenius Upper or Middle Jurassic, Ihsien, Liaoning and Lingyuan, China, **Young (5).**

Yangtzepus **gen. nov.** p. 62, Ornithischia type-sp. *Y. yipingensis* **sp. nov.** p. 62 pls. 7–8; Upper Jurassic, Kuanyinchon, Kaichinhsiang, Kuanyin district, Yi-ping, Szechuan, **Young (5).**

General Recent.—Herpetology of eastern Morocco, **Bons**; Squamata, suborder Lacertilia derived from rhynchocephalians, range Jurassic to Recent, suborder Ophidia, range late Cretaceous to Recent, general adaptations, **Brattstrom (2)**; Reptilia of the montane and submontane zones, Philippine Is., **Brown & Alcala (2)**; Herpetology of Argentina, **Cei**; General ecology of Mal Abrigo, Uruguay, **Chebataroff**; Survey of reptiles of Buena Vista Co., Iowa, **Christiansen**; Preliminary check list and bibliography of the reptiles of North Carolina, **DePoe, Funderburg & Quay**; Reptile hosts of parasites, systematic list and sites of infection, **Dollfus**; Systematic list of reptiles of N.W. Kent, **Edwards**; Catalogue of Austrian reptiles, **Eiselt**; List of reptiles from Tishomingo Co., Mississippi, **Ferguson**; Herpetofauna of the El Dorado region, Sinaloa, Mexico, **Fugler & Dixon**; Reptilia of Argentina, **Gallardo (2)**; Zoogeography of Surinam, **Geijskes**; Table of common and specific names of reptiles plus their country and superfamily, also coloured plates, **Guibé**; Popular guide to the reptiles of Los Angeles, **Hill, H. R.**; Venezuelan localities of various reptiles, **Hoge & Lancini**; Comparative osteology, **Kaiser**; Reptiles as possible reservoir hosts for eastern encephalitis virus, study on reptiles from Okefenokee Swamp, Georgia, U.S.A., **Karstad**; Structure of the reptile heart; **Kashyap, K. V.**; General notes on the reptiles of Provence, **Knoepffler, L-P. (2)**; Myology of the pelvis and hind limbs, 22 figs., **Kriegler**; Reptilian fauna of Ruanda-Urundi, **Laurent (1)**; Further remarks on the

reptiles of Afghanistan, **Leviton & Anderson**; Status of new reptiles described or collected by Loveridge, **Loveridge, A. (1)**; The role of the apical cap in limb development, **Milaire**; Ten relict species in the Chihuahuan desert, **Milstead (3)**; Herpetological collections and observations in Hyde and Tyrrell Co., North Carolina, **Palmer & Whitehead**; Check list of reptiles in the Kruger National Park, **Pienaar**; Proposed rejection of the following generic names:—*Berus, Discosomus, Draco, Herpeton, Propus, Pterodacytylus* (also as *Petrodactylus*), *Scinci* (also as *Scincorum*), *Tapaja* (also as *Tapaia*) & *Zygnis;* and of the following specific and subspecific names:—*galliwasp, Scincus; graecus, Stellio; grisea, Lacerta; italicus, Stellio; lancifer, Trigonocephalus; lepidopus, Bipes; ocellatus, Draco; oryzicola, Berus; pelamys, Hydrophis; trimeresurus, Coluber dipsas;* due to the invalidation of Oken's "Lehrbuch der Naturgeschicte" 1816, in Opinion 417, 1956. Proposed validation of *Anilius* Oken, 1816, **Savage**; Annotated bibliography of marine reptiles, **Schmidt, K. P.**; Island survival of primitive reptiles, conservation studies, **Street**; General study of reptiles, **Terent'ev**; Reptiles of the Sahara, **Valverde (1)**; List of reptiles in the Marisma del Guadalquivir, Spain, **Valverde (2)**; Illustrated key to the reptiles of the Khirghiz, U.S.S.R., **Yakovleva.**

ANAPSIDA

†ORDER COTYLOSAURIA

Bradysaurus seeleyi note and photograph of reconstruction; list of papers on Pareiasaurians, **Boonstra (2).**

Captorhinus sp. basicranial articulation of the early Permian Cotylosaur, **Warren.**

Captorhinus agouti precoracoid showing surface expression of annual (?) zones, **Peabody.**

Paoteodon **gen. nov.** p. 12 of Procolophonidae type species *Paoteodon huanghoensis* **sp. nov.** p. 12, text-figs. 1, 2; Lin-Chê-Yü, Pao-Tê, NW Shansi, China; Triassic, **Chow & Sun.**

Rothianiscus **nov. nom.** p. 32 for *Rothia multidonta* Olson et Beerb. 1953, Permian, **Kuhn (6).**

ORDER CHELONIA [TESTUDINATA]

General Fossil.—From the Pleistocene, Florida, U.S.A., **Holman (2)**; Chelonomorpha a new superorder, p. 30, to include Eunotosauria and Testudines, **Kuhn (2).**

Morphological study of a Jurassic turtle skull [unnamed] from the Solnhofen of Bavaria, **Parsons & Williams**; Shield abnormalities in turtle shells, **Zangerl & Johnson.**

General Recent.—Distribution and identification of Mexican Pacific coast turtles; a melanic race of *Chelonia* fig'd., **Carr (1)**; Growth formulae, **Fukada**; Conservation of sea turtles, **Tharmalingam**; Annotated bibliography of sea turtles, **Zangerl (2)**; Shield abnormalities in turtle shells, **Zangerl & Johnson.**

Chelonomorpha **superord. nov.** p. 30, to include Eunotosauria and Testudines, **Kuhn (2).**

†SUB ORDER AMPHICHELYDIA

Chengyuchelys **gen. nov.** p. 88, Baenidae genotype *C. baenoides* **sp. nov.** p. 88, pl. 1, figs. 1, 2; text-figs. 1, 2; Szechuan China, Mesozoic, **Young & Chow.**

Glyptops sp. Pleurosternidae, fig. 1; Cretaceous, Chingkongkou, Laiyang Shantung China, **Chow (2).**

SUB ORDER PLEURODIRA

PELOMEDUSIDAE

Pelusios castaneus photo., Ishasha river, Albert National Park, **Curry-Lindahl (2)**; Stanley Pool, Congo, **Skelton-Bourgeois (2).**

Podocnemis unifilis occurrence of a pericardial extension of lung muscle, **Shah.**

†*Rosasia soutoi* figs., Quinta de Vilar, Beira Litoral Portugal, Neo-Cretaceous, **Costa.**

†PLESIOCHELIDAE

Plesiochelys chungkingensis **sp. nov.** p. 92, pl. 5, figs. 1, 2; Szechuan China, Mesozoic, **Young & Chow.**

Plesiochelys latimarginalis **sp. nov.** p. 90, pls. 2, 3; Szechuan China, Mesozoic, **Young & Chow.**

Plesiochelys radiplicatus **sp. nov.** p. 91, pl. 4, figs. 1, 2; text-fig. 3; Szechuan China, Mesozoic, **Young & Chow.**

Tienfuchelys **gen. nov.** p. 93, of Plesiochelidae, genotype *T. tzuyangensis* **sp. nov.** p. 93, pl. 6, fig. 1; text-fig. 4; Szechuan China, Mesozoic, **Young & Chow.**

CHELIDAE

Chelidae and their haematozoa in Australia, **Mackerras.**

Chelodina longicollis comparative study of blood coagulation, **Fanti.**

Chelodina oblonga Gray, type of *C. intergularis* Fry 1915, examined and synonymised with *C. oblonga*, **Worrell (3).**

Emydura novae-guineae ecology, New Guinea, **Schultze-Westrum.**

†POLYSTERNIDAE

Paralichelys catalaunicus text-fig. 10; Can Mas, Papiol (Barcelona) Spain, Burdigalian, Miocene, **Bergounioux (3).**

SUB ORDER CRYPTODIRA

TESTUDINOIDEA

Testudinoidea,—classification and major arterial canals in the ear region, **McDowell.**

CHELYDRIDAE

Chelonura see *Macroclemys.*

Chelydra serpentina Hayes township, Buena Vista Co., Iowa, **Christiansen**; covered with growths of *Basicladia chelonum* and *B. crassa*, **Dixon (1)**; overland travelling by night, **Dowling (2)**; Middle Pleistocene to Recent, Butler Spring, Meade Co., Kansas, **Hibbard & Taylor**; electrophoresis of turtle sera, **Leone & Wilson**; femur cross section to show annual growth zones, **Peabody**; *C. s. serpentina* of Licking Co., Ohio, **Adler (3)**; new record Licking Co., Ohio, **Adler & Dennis**; photo., distribution and ecology, Illinois, **Smith, P. W.**; from the Allegany State Park ecological survey, **Stewart.**

Macroclemys [*Chelonura*] *temminckii* Troost 1835 proposal to place the specific name on the Official List, **Mertens & Wermuth**; photo., distribution and ecology, Illinois, **Smith, P. W.**

†ACICHELYIDAE

Stegochelys planiceps—to which the Portland skull is provisionally referred, **Parsons & Williams.**

KINOSTERNIDAE

Kinosternon baurii rearing in terraria, **Bustard (17).**

Kinosternon flavescens general anatomy and notes from Coahuila Mexico, **Williams, K. L. (2)**; *K. f. flavescens* ecology and range, Big Bend region, Texas, **Minton**; *K. f. spooneri* Mason Co., Illinois; photos, ecology, **Smith, P. W.**

Kinosternon hirtipes hirtipes Ciudad Hidalgo Rio, Tuxpan Mexico, ecology, **Duellman.**

Kinosternon scorpioides [*integrum*] from tropical forests of Mexico, **Davis & Dixon**; Coalcomán, Mexico, ecology, **Duellman**; electrophoresis of sera, **Leone & Wilson.**

Kinosternon sonoriense major arterial canals in the ear region, **McDowell.**

Kinosternon subrubrum hippocrepis rearing in terraria, **Bustard (17)**; *K. s. subrubrum* Sussex Co., Delaware, photos., ecology, **Smith, P. W.**

Sternothaerus odoratus photo., Tazewell Co., Illinois, ecology, **Smith, P. W.**; geographic variation in reproduction, size, sex ratio and maturity, **Tinkle (3).**

DERMATEMYDIDAE

†*Peishanemys latipons* figs. 2–4, pls. 1–2; Cretaceous, Toushan Laiyang, Shantung China, **Chow (2).**

EMYDIDAE

†*Chinemys fenhoense* **sp. nov.** p. 426 (430), text-figs. 1, 2; Tunglinkou, Tingtsun Hsiangfen, SW Shansi China, Pleistocene, **Chow (4).**

†*Chinemys reevesii* Pleistocene, Hsiatsaohwan, Shihhung district N. Anhwei China, figs., **Chow (3).**

†*Chrysemys astrei* fig. 7; Sannoisian, Talladell (Tárrega) Spain, **Bergounioux (3).**

†*Chrysemys bisbalensis* **sp. nov.** p. 197, text-figs. 25, 26; pls. 41, 42; Pontian Miocene, La Bisbal, Ampurdán basin, Spain, **Bergounioux (3).**

†*Chrysemys elegans* **sp. nov.** p. 151, text-fig. 8; pl. 28; Oligocene, La Bisbal, Ampurdán basin, Spain, **Bergounioux (3).**

†*Chrysemys iberica* **sp. nov.** p. 143, text-figs. 5, 6; pls. 26, 27, Oligocene Tárrega, Spain, **Bergounioux (3).**

Chrysemys picta distribution of proteins in lens extract, **Maisel & Langman**; cerebellar nuclei, microscopic anatomy of neural epithelium, **Rüdeberg**; role of cloacal bursae during hibernation, **Smith & Nickon**; blood cell histology, **Taylor & Kaplan (2)**; radioisotope determination of the total blood volume, **Wilson, Hansard & Cole**; winter survival of hatchlings in N. Minnesota, **Woolverton**; *C. p. belli* Poland township, Buena Vista Co., Iowa, **Christiansen**; electrophoresis of sera, **Leone & Wilson**; relict turtle of the Chihuahuan desert, **Milstead (3)**; *C.* [*picta*] *marginata* cerebellar nuclei, microscopic anatomy of neural epithelium, **Rüdeberg**; *C. p. marginata* × *belli* photo., Tazewell Co., ecology Illinois, **Smith, P. W.**; *C. p. marginata* from Allegany State Park ecological survey, **Stewart**; *C. p. picta* effect of oestrogens on bone structure, **Simkiss.**

Cistudo see *Emys.*

Clemmys caspica, Leptospira—agglutinating factors in sera, **Hoeden, Szenberg & Evenchik**; seasonal changes in distribution of testis lipids, **Lofts & Boswell**; statistical survey, Black Sea region, **Stugren & Rădulescu**; *C. c. leprosa* [*Emys leprosa*], destruction of the epiphysis and resulting thyroid stimulation, **Aron, Combescot & Demaret**; neurosecretion after thyroidectomy and thyroxine injections, **Aron, Combescot, Demaret & Guyon**; neurosecretory changes in the ♀ at the onset of puberty, **Combescot, Demaret & Guyon**; production of macrothyrocytes, **Gabe**; action of gonadotrophins on the immature testis, **Stefan**; *C. c. rivulata* Sidari, Corfu, **Mertens 2)**; Black Sea, **Valkanov.**

Clemmys guttata egg-laying, life history and nesting habits, **Adler (1)**; photo., Cook Co., Illinois, ecology, **Smith, P. W.**

Clemmys marmorata, range, description, habits and fig., Los Angeles, **Hill, H. R.**

Clemmys muhlenbergii a noteworthy record from New York State, **Benton & Smiley.**

†*Clemmys ukoi* **sp. nov.** p. 80, text-figs. 5, 6; pl. 4, figs. 11, 12; pl. 5, fig. 13; Gramatneusiedl, Vienna Basin Austria; Upper Pannonian, Pliocene, **Bachmayer, F. (1)**; from the Miocene of Austria, **Bachmayer (2).**

†*Colossoemys macrococcygeana* pelvic bone from Loreto Colombia, Trias; identified now as humerus of *Megalonyx jefferson*i, Pleistocene, **Couto.**

Deirochelys reticularia role of cloacal bursae during hibernation, **Smith & Nickon.**

Emydoidea blandingi photo., Whiteside Co., Illinois, ecology, **Smith, P. W.**; role of cloacal bursae during hibernation, **Smith & Nickon.**

†*Emydoidea twentei* Pleistocene Meade Co., Kansas, **Hibbard & Taylor.**

Emys [*Cistudo*] *blandingii* Holbrook 1838, proposal to place the specific name on the Official List, **Mertens & Wermuth.**

Emys orbicularis photo., distribution in Roumania, ecology, systematics, **Fuhn & Vancea (1)**; proteic secretions of the epididymis, **Furieri**; distribution and biology in S. Limburg, photo., **Horst**; Provence general study, **Knoepffler, L.-P. (1)**; contribution to data relating to egg-laying, **Marián & Szabó**; Sidari Corfu, **Mertens (2)**; figs. key, distribution in Poland, **Młynarski (2)**; development of the anal sacs, **Pera**; from the étang de Vaugrenier near Biot, **Petit & Knoepffler**; in the northern Prearal region, USSR, **Shilov**; ecology and reproduction, a general study, **Sloet tot Everlo**; statistical study, Black Sea region, **Stugren & Rădulescu**; Black Sea, **Valkanov.**

Geoclemys hamiltonii from Rajasthan desert, India, **Krishna & Dave (2).**

Geoclemys reevesi found in Maryland, **Cooper, J. E. (2).**

Geoemyda rubida perixantha Coahuayana, La Placita, Punta San Juan de Lima, Mexico, ecology, **Duellman.**

Geoemyda spinosa host of *Amblyomma geoemydae* in Timor, **Cabrier da Silva.**

Graptemys geographica major arterial canals in the ear region, **McDowell**; Vermilion Co., Illinois photo. ecology, **Smith, P. W.**

Graptemys kohni Native of the lower Mississippi Valley found at Wagner's Pond, Anne Arundel County Maryland, **Cooper, J. E. (2)**; recorded from Patuxent River, Maryland, **Schwartz & Dutcher.**

Graptemys pseudogeographica one sub-adult and two juveniles from Gonzales Co., Texas, **Raun**; White Co., Illinois, photo., ecology, **Smith, P. W.**; role of cloacal bursae during hibernation, **Smith & Nickon**; *G. p. ouachitensis* photo., life history in Lake Texoma, Oklahoma, **Webb (3).**

†*Notoemys laticentralis* Neocomian Jurassic, Las Lajas, Neuquen Prov., Argentina, **Cattoi & Freiberg.**

Pseudemys concinna general note, **Geesink**; *P. concinna* [*scripta*] *hiltoni* electrophoresis of sera, **Leone & Wilson**; *P. concinna* [*floridana*] *mobilensis* effects of temperature and body size on heart rate and oxygen consumption, **Hutton, Boyer et al.**

Pseudemys floridana colouration and rearing in terraria, **Bustard (17)**; role of cloacal bursae during hibernation, **Smith & Nickon**; *P. f. hoyi* colouration and rearing in terraria, **Bustard (17)**; *P. f. hoyi* × *concinna hieroglyphica* Alexander Co. Illinois, photos. ecology, **Smith, P. W.**

Pseudemys scripta (*elegans*, *troosti* and possibly *scripta*) established in Maryland in Anne Arundel County, **Cooper, J. E. (2)**; histology of the pancreatic islets and sensitivity to glucagon, **Miller, M. R.**; *P.* [*Chrysemys*] *scripta* protein and RNA content of stomach gland cells, **Romanini (2)**; role of cloacal bursae during hibernation, **Smith & Nickon**; thyroid stimulation, **Waterman (2)**; *P. s. elegans* photo. and general notes, **Anon. (5)**; photoperiodic responses, **Bartholomew**; care under laboratory conditions, **Boycott & Robins**; colouration and rearing in terraria, **Bustard (17)**; with an epizoophytic algal growth on carapace, **Dixon (1)**; new locality record, Michigan—Cranbrook Lake, Bloomfield Hills, Oakland Co., **Gordon & Fowler**; study on erythropoiesis, **Hirschfield & Gordon**; effects of temperature and body size on heart rate and oxygen consumption, **Hutton, Boyer et al.**; variations in metachromatic staining anticoagulant in plasma, **Jacques & Musacchia**; reaction to X-irradiation, **Krebs**; Tazewell Co., Illinois, ecology, photo., **Smith, P. W.**; light microscopy of blood cells, **Taylor & Kaplan (1)**; blood cell histology, **Taylor & Kaplan (2)**; life history in Lake Texoma, Oklahoma, **Webb (3)**; determination of the total blood volume by radio-isotopes, **Wilson, Hansard & Cole**; *P. s. gaigeae* ecology, Big Bend region, Texas, **Minton**.

†*Stylemys nebrascensis* correction of phalangeal formula, **Auffenberg (1)**.

†*Temnoclemmys* **gen. nov.** p. 184, Emydidae, Pontian, Tarrasa; genotype *T. batalleri* Bergounioux 1931, text-figs. 18, 19, pls. 35, 36; Vallesian Villadecaballs, Spain, **Bergounioux (3)**.

†*Temnoclemmys cordiformis* **sp. nov.** p. 189, text-figs. 20, 21; pl. 37, Vallesian Miocene, Villadecaballs, Spain, **Bergounioux (3)**.

†*Temnoclemmys elongata* **sp. nov.** p. 194, text-fig. 24; pl. 40 Vallesian, Miocene, Villadecaballs, Spain, **Bergounioux (3)**.

†*Temnoclemmys vallesensis* **sp. nov.** p. 191, text-figs. 22, 23; pls. 38, 39; Vallesian Miocene, Villadecaballs Spain, **Bergounioux (3)**.

Terrapene carolina preparation for "night-cold" air, **Dowling (2)**; electrophoresis of sera, **Leone & Wilson**; role of cloacal bursae during hibernation, **Smith & Nickon**; *T. c. carolina* of Clinton and Richland Co., Ohio, **Adler (3)**; new record Clinton Co., Ohio, **Adler & Dennis**; photo., Johnson Co., Illinois, ecology, **Smith, P. W.**; *T. c. triunguis* carapace pits in a large population near Norman, Oklahoma, **Carpenter (1)**.

†*Terrapene carolina* left humerus, from Florida, U.S.A. Pleistocene, **Holman (1)**; Florida Pleistocene, difference in humeri of young and mature individuals, **Holman (2)**.

Terrapene coahuila electrophoresis of sera, **Leone & Wilson**; Cuatro Cienegas, Coahuila, relict reptile of the Chihuahuan desert, **Milstead (3)**.

†*Terrapene culturalia* **sp. nov.** pp. 59, 62; Holocene, Dawenkou, Taian Shantung, **Yeh (2)**.

†*Terrapene llanensis* Pleistocene Cragin Quarry, SW Kansas, **Hibbard & Taylor**.

Terrapene ornata electrophoresis of sera, **Leone & Wilson**; captured in a quadrat study on movement in Texas, **Milstead (6)**; *T. o. ornata* ecology, Big Bend region Texas, **Minton**; Marion Co., Illinois, photo., ecology, **Smith, P. W.**

TESTUDINIDAE

†*Cheirogaster arrahonensis* **sp. nov.** p. 175, text-figs. 15, 16; pls. 32, 33; Sabadell, Vallesian; Spain Miocene, **Bergounioux (3)**.

Chersina see *Testudo*.

Geochelone see *Testudo*.

†*Gopherus depressus* **sp. nov.** p. 548, text-figs. 7, 8; U. Miocene, Tehachapi Mts., Kern Co., California, **Brattstrom (1)**.

†*Gopherus neglectus* **sp. nov.** p. 544, text-figs. 1–4; Kew Quarry, U. Oligocene, Ventura Co., California, **Brattstrom (1)**.

Gophrus polyphemus N. America ecology, photo., **Dowling (1)**; effect of oestrogens on bone structure, **Simkiss**; *G. p. agassizii* S. California, Arizona and Sonora, ecology, photos., **Dowling (1)**; range, description, habits fig., Los Angeles, **Hill, H. R.**; electrophoresis of sera, **Leone & Wilson**; *G. p. berlandieri* South Eastern Texas and NE Mexico, ecology photo., **Dowling (1)**; electrophoresis of sera, **Leone & Wilson**; *G.* [*p.*] *flavomarginatus* remarks on a collection from N.E. Durango, Coahuila and Chihuahua, Mexico, **Legler & Webb (2)**; *G. p. polyphemus* South Eastern U.S.A., ecology, photo., **Dowling (1)**.

†*Gopherus polyphemus* Pleistocene of Florida, U.S.A., femoral measurements, **Holman (1)**.

Homopus areolatus S. Africa general note, photo., **Dowling (1)**.

Kinixys belliana belliana tick infestation, **Eglis**.

Kinixys erosa, W. Africa, ecology and longevity [photos], **Dowling (1)**; from Stanley Pool Congo, **Skelton-Bourgeois (2)**.

Malacochersus tornieri E. Africa ecology, habits and photo., **Dowling (1)**; tick infestation, **Eglis**.

†*Ptychogaster grundensis* in the upper Tortonian of Grund, Austria, **Bachmayer (2)**; *P. grundensis* **sp. nov.** p. 82, pl. 2, fig. 4; pl. 3, fig. 5; pl. 4, figs. 6, 7; pl. 5, fig. 8; text-figs. 1–3, Upper Tortonian, Austria, **Bachmayer & Schaffer**.

†*Ptychogaster wischbergense* **nom. nov.** for *P. reinachi* Bräm, 1952, **Bräm**.

†*Testudo* [*Geochelone*] right femur and it's measurements, from Florida, U.S.A., Pleistocene, **Holman (1)**; from the palaeolithic of Ksâr' Akil, Lebanon, **Hooijer**.

Testudo [*Chersina*] *angulata* S. Africa ecology photo., **Dowling (1)**; parasitized by *Thaparia capensis* n. sp., **Fitzsimmons**; photograph, note on feeding, **Leenart, B. (2)**.

Testudo [*Geochelone*] *carbonaria* S. America, photo., ecology, **Dowling (1)**.

†*Testudo catalaunica* Sant Quirze Barcelona, Vindobonian Spain, **Bergounioux (3)**; *T. c. irregularis* **var. nov.** p. 167, text-figs. 11, 12; pl. 29; Sant Quirze (Valls-Penedes) Vallesian Spain, **Bergounioux (3)**.

†*Testudo celonica* **sp. nov.** p. 171, text-figs. 13, 14; pls. 30, 31; Vallesian Sant Celoni (Can Rabasa) Spain, **Bergounioux (3)**.

Testudo chilensis anatomy of the pancreas, **Serna de Esteban (2)**.

Testudo [*Geochelone*] *denticulata* S. America, photo., ecology, **Dowling (1)**.

Testudo dorsata Schoepff 1801 proposal that the specific name be suppressed under the Law of Priority, **Mertens & Wermuth**.

Testudo [*Geochelone*] *elegans* India and Ceylon, photo., ecology, **Dowling (1)**.

Testudo elephantopus photo., Berlin Zoological Gardens, **Petzold (2)**; *T.* [*Geochelone*] *e. abingdonii*, Abingdon (= Pinta), photo., ecology, Galapagos Islands, **Dowling**

(1); *T.* [*G.*] *e. chathamensis* Chatham (= San Cristobal) Galapagos Is., photo., ecology, **Dowling (1)**; *T.* [*G.*] *e. darwini* James (= Santiago) Galapagos Is., ecology, photo., **Dowling (1)**; *T.* [*G.*] *e. elephantopus* Albemarle (= Isabella) Galapagos Is., photo., ecology, **Dowling (1)**; *T.* [*G.*] *elephantopus ephippium* Duncan (= Pinzon) Galapagos Is., ecology, photo., **Dowling (1)**; *T.* [*G.*] *e. galapagoensis* Charles (= Floreana) Galapagos Is., ecology, photo., **Dowling (1)** ; *T.* [*G.*] *e. hoodensis* Hood (= Espanola) Galapagos Is., photo., ecology, **Dowling (1)**; *T.* [*G.*] *e. nigrita* Indefatigable (= Santa Cruz) Galapagos Is., ecology, photo., **Dowling (1)**; *T.* [*G.*] *e. phantastica* Narborough (= Fernandina) Galapagos Is., ecology, photo., **Dowling (1)**; *T. e. porteri* digestive reactions responsible for alleviating dormancy in Galapagos tomato seeds, **Rick & Bowman**; *T.* [*Geochelone*] *e. wallacei* Jarvis (= Rabida) Galapagos Is., photo., ecology, **Dowling (1)**.

Testudo fimbriata Schneider 1783 proposal that the specific name be placed on the Official List of Specific Names, **Mertens & Wermuth.**

Testudo flava Lacépède 1788 proposal that the specific name be suppressed under the Law of Priority, **Mertens & Wermuth.**

Testudo gigantea, photo., in the Berlin Zoological gardens, **Petzold (2)**; conservation study, Galapagos Is., **Street.**

Testudo graeca cytochrome *c* in the heart, **Biörck & Palèus**; water metabolism in deserts, **Chew, R. M.**; S. Spain, N. Africa, W. Asia and S.E. Balkans, ecology, photo., **Dowling (1)**; impaction of the large bowel with nematodes, *Clostridium tetani* isolated from pharynx, oesophagus and cardiac end of the stomach, **Fiennes**; figs., ecology, systematics and structure, distribution in Roumania, **Fuhn & Vancea (1)**; production of macrothyrocytes, **Gabe**; clinical conditions and study of diseases, **Graham-Jones**; general description, habits, anatomy, native distribution, **Leutscher (1)**; figs., key, Poland distribution, **Młynarski (2)**; structure and function of hypophysis, **Saint Girons, H. (3)**; statistical survey, Black Sea area, **Stugren & Rădulescu**; collected in Morocco, brought to Britain, terraria notes, **Vinter & Green**; *T. g. graeca* from Hassi-el-Ahmar, Morocco, **Bons**; *T. g. graeca* [*mauritanica*] water metabolism in deserts, **Chew, R. M.**; *T. g. graeca* tick infestation, **Eglis**; *T. g. graeca* [*mauritanica*] histochemical study of the pars distalis, **Herlant & Grignon (1)**; hypophysial modifications during the reproductive cycle, **Herlant & Grignon (2)**; Provence, general study, **Knoepffler, L.-P. (1)**; *T. g. graeca* [*mauritanica*] structure and function of hypophysis, **Saint Girons, H. (3)**; *T. g. ibera* figs., ecology, systematics, anatomy, distribution in Roumania, **Fuhn & Vancea (1)**; myology of pelvis and hind limbs, figs., **Kriegler.**

Testudo hermanni origin of the potential difference in the intestinal epithelium, **Baillien & Schoffeniels**; thermal behaviour during lethargy and awakening periods, **Cherchi**; N.C. Mediterranean, ecology, photos., **Dowling (1)**; figs., ecology systematics, anatomy, distribution in Roumania, **Fuhn & Vancea (1)**; presence of chitinase in the digestive tract, **Jeuniaux**; description, habits, anatomy, native distribution, **Leutscher (1)**; figs., key, distribution in Poland, **Młynarski (2)**; from the Pyrenees at Col del Turn and Col de Banyuls, **Petit & Knoepffler**; ultrastructure of the pulmonary alveoli, **Renzoni**; statistical survey, Black Sea area, **Stugren & Rădulescu**; *T. h. hermanni* figs., ecology, systematics, anatomy, distribution in Roumania, **Fuhn & Vancea (1)**; Klomos, Magoulades and Sidari, Corfu, **Mertens (2)**; *T. h. robertmertensi;* Provence, general study, **Knoepffler, L.-P. (1).**

Testudo horsfieldii vector of pathogenic *Leptospira*, in the Muyunkum Desert, **Blagodarnyi**; in the northern Prearal region U.S.S.R., **Shilov.**

Testudo imbricata carapace in Linne's house is actually a young *Chelonia mydas*, **Deraniyagala (1).**

†*Testudo lunellensis ibera* **var. nov.** p. 208, text-figs. 29, 30; pls. 43, 44; Pleistocene, Gracia (Barcelona) Spain, **Bergounioux (3).**

Testudo mauritanica production of macrothyrocytes, **Gabe.**

Testudo meleagris Shaw 1793 proposal that the specific name be suppressed under the Law of Priority, **Mertens & Wermuth.**

†*Testudo milleri* **sp. nov.** p. 546, text-figs. 5, 6; Upper Miocene, Barstow beds, San Bernardino Co., California, **Brattstrom (1).**

Testudo mydas large specimen in Linné's house is actually *Caretta caretta*, **Deraniyagala (1)**; *T. mydas minor* Suckow, should be suppressed, **Brongersma (3)**; *T. mydas minor* Suckow 1798 proposal that the subspecific name be suppressed under the Law of Priority, **Mertens & Wermuth.**

Testudo [*Geochelone*] *pardalis* C. Africa, photo., ecology, **Dowling (1)**; *T.* [*G.*] *p. babcocki* photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2).**

Testudo planitia, Gmelin 1789 proposal that the specific name be suppressed under the Law of Priority, **Mertens & Wermuth.**

Testudo punctularia Daudin 1802 proposal that the specific name be placed on the Official List of Specific Names, **Mertens & Wermuth.**

Testudo [*Geochelone*] *radiata* Madagascar, ecology, photo., **Dowling (1).**

Testudo rostrata in Linné's house is actually *Lissemys granosa*, **Deraniyagala (1).**

Testudo scabra in Linné's house is actually *Geoemyda trijuga thermalis*, **Deraniyagala (1).**

†*Testudo semenensis* **sp. nov.** p. 151, text-fig. 2, pl. XXXVII; Djebel Semène Tunisia, Pontian Miocene, **Bergounioux (1).**

Testudo semimembranacea Hermann 1804 proposal that the specific name be suppressed under the Law of Priority, **Mertens & Wermuth.**

Testudo [*Geochelone*] *sulcata* phalangeal formula, **Auffenberg (1)**; N.E. Africa, photo., ecology, **Dowling (1)**; from Koro Toro; first record from Tchad region, **Wake & Kluge.**

Testudo terrestris Fermin 1765, comment on proposed suppression (Mertens & Wermuth); no need, since it is an unavailable name published in a book where the principles of binominal nomenclature are not adhered to, **Holthuis**; *T. terrestris* Fermin 1765 proposal that the specific name be suppressed under the Law of Priority and the Law of Homonymy, *T. terrestris* Forskål 1775 proposed acceptance of specific name, **Mertens & Wermuth.**

"*Testudo viridi-squamosa*" Lacépède, 1788, discussed and referred to the synonymy of *Chelonia mydas* (L.), **Brongersma (3)**; *T. viridi- squamosa* Lacépède 1788 proposal that the specific name be suppressed under the Law of Priority, **Mertens & Wermuth.**

CHELONIOIDEA

CHELONIIDAE

Caretta caretta restrained for a physiological experiment, **Barbour & Kaminskis**; distribution and variation,

figs. of shell, nomenclature, occurrence on Dutch coasts, **Brongersma (3)**; 7 in. long from Le Grouin Point, St. Brelade's Bay, Jersey, **LeSueur**; plastron and carapace structure, **Mlynarski (4)**; from the Côte d'Azur, **Petit & Knoepffler**; Black Sea, **Valkanov**; *C. c. caretta* figs., distribution in Roumania, ecology, **Fuhn & Vancea (1)**; Provence general study, **Knoepffler, L.-P. (1)**; of Corfu, **Mertens (2)**; found alive at Ormaclett, South Uist Outer Hebrides, **Stephen**; *C. c. gigas*, osteology, **Deraniyagala (2)**; from S. California, **Hubbs**.

†*Caretta* [*Thalassochelys*] *caretta* from the Eocene of Gerona, Spain, **Bergounioux (3)**.

Chelonia a melanic form in the eastern Pacific; distribution, fig., **Carr (1)**.

Chelonia mydas distribution and variation, **Brongersma, (3)**; social facilitation in siblings, **Carr & Hirth**; Carapace in Linné's house is that of *Caretta caretta*, **Deraniyagala (1)**; beach between Río Motín and Río Colotlán, Maruata, Playa Azul; Michoacán Mexico general ecology, egg laying, **Duellman**; fig. structure of pectoral girdle, functional significance, **Friant**; nesting population on the east coast of Malaya, **Hendrickson & Alfred**; carapace and plastron structure, **Mlynarski (4)**; function of the choanal rakers, **Smith, H. M.**; Black Sea, **Valkanov**; *C. m. agassizii* possible record from Bahia San Quintin, **Hubbs**; relationship to water temperatures, **Radovich**; *C.* [*m.*] *japonica* (Thunberg) cranial characters warrant specific distinction from *C. mydas*, synonymy discussed, **Worrell (3)**; *C. m. mydas* figs., zoogeography, particularly in Roumania, **Fuhn & Vancea (1)**; 23½ lbs., and 19 ins. long, acquired by the Cleveland Aquarium, **Kelley, W. E.**; Provence, general study, **Knoepffler, L.-P. (1)**.

†*Chelonia subcarinata* figs. Eocene, Losser, Holland, **Anderson, W. F.**

Eretmochelys [*Chelonia*] *imbricata* osteology and functional structure of the pectoral girdle, figs., **Friant**; nesting populations on the east coast of Malaya, **Hendrickson & Alfred**; myology of pelvis and hind limbs, figs., **Kriegler**; *E. imbricata* plastron and carapace structure, **Mlynarski (4)**; *E. i. imbricata*, Provence general study, **Knoepffler, L.-P. (1)**; *E. i. squamata* from La Paz and S.W. Baja California, **Hubbs**.

Lepidochelys breeding habits, and egg laying, **Carr (2)**.

Lepidochelys olivacea distribution and variation, figs., **Brongersma (3)**; laying eggs in daylight in N.E. Mexico, **Dowling (2)**; nesting population on the east coast of Malaya, **Hendrickson & Alfred**; scanty records for W. coast of California, **Hubbs**; relationship to water temperatures, **Radovich**; *L.* [*o.*] *kempii* method used to restrain the turtle for a physiological experiment, **Barbour & Kaminskis**; distribution and variation, figs., **Brongersma (3)**; figs., little known characters, **Deraniyagala (2)**; notes on food and weight, **Dobie, Ogren & Fitzpatrick**; *L. o. kempii* (Garman) [*Thalassochelys* (*Colpochelys*) *kempii*] Garman 1880 proposal to place the specific name on the Official List, **Mertens & Wermuth**; plastron and carapace structure, **Mlynarski (4)**; *L. o. olivacea*, figs., little known characters, **Deraniyagala (2)**; plastron and carapace structure, **Mlynarski (4)**.

Thalassochelys see *Lepidochelys*.

†*Triassochelys dux* Keuper, Germany, structure of pectoral girdle, fig., **Friant**.

DERMOCHELYIDAE

Dermochelys coriacea purchase of eggs and running of a hatchery in Malaya, **Anon. (3)**; nesting population on the east coast of Malaya, **Hendrickson & Alfred**; hatching leathery turtle eggs in Malaya, **Hendrickson & Winterflood**; Provence general study, **Knoepffler, L.-P. (1)**; practical conservation in Malaya, **Milton**; general notes, ecology and history, **Roding**; *D. c. coriacea* stranded on Cymyran shore, Anglesey, **Burdon-Jones**; entangled in nets 24 miles S.S.E. of Arbroath; another alive in Kilbrannan Sound, W. of Arran, third dead in Solway Firth near Annan, **Stephen**; *D. c. schlegelii* from N.W. coast of Baja California and British Columbia, **Hubbs**; relationship to water temperatures, **Radovich**.

†*Eosphargis breineri* **sp. nov.** p. 99, text-figs. 1–4; pls. 1–3; pl. 4, figs. 1, 2, 3; Knudeklint, Fur Island, Denmark, lower Eocene, **Nielsen, E.**

†*Psephophorus polygonus* from the Tortonian of Neudorf, Austria, **Bachmayer (2)**.

TRIONYCHOIDEA

CARETTOCHELYIDAE

Carettochelys insculpta, fig. from New Guinea, **Schultze-Westrum.**

TRIONYCHIDAE

Amyda see *Trionyx*.

†*Anosteira crassesculpta* figured p. 19, **Gramann.**

†*Anosteira shantungensis* **sp. nov.** pp. 273 (276); pl. 1, text-fig. 1; Niushan formation, Oligocene; Linchu, E. Shantung, China, **Cheng.**

Chitra indica heart anatomy and physiology, **Girgis (1)**.

Cyclanorbis elegans [*oligotylus*] observations on the heart anatomy and physiology, **Girgis (1)**.

Cycloderma aubryi Stanley Pool, Congo, 180 mm. long plastron, **Skelton-Bourgeois (2)**.

Cycloderma frenatum observations on heart anatomy and physiology, **Girgis (1)**.

Dogania subplana observations on heart anatomy and physiology, **Girgis (1)**.

Lissemys punctata observations on heart anatomy and physiology, **Girgis (1)**; chelonian type of genitalia, **Majupuria (5)**; *L. p. punctata* cytochemical study of chromatoid bodies, **Sud (4)**.

Pelochelys bibroni observations on heart anatomy and physiology, **Girgis (1)**.

†*Sinaspideretes* **gen. nov.** p. 94 of Trionychidae, genotype *S. wimani* **sp. nov.** p. 94, pl. 6, figs. 2, 2a; text-fig. 5; Szechuan China, Mesozoic, **Young & Chow.**

†*Trachyaspis turbulensis* **sp. nov.** p. 285, pls. 41, 42, text-fig. 1; Teruel Prov. Spain, Jurassic, **Bergounioux (2)**.

†*Trionyx* [*Amyda*] *borkenensis* **sp. nov.** p. 17, pl. 3, f. 1, 2. Borken, Homberg, W. Germany. Oligocene, **Gramann.**

†*Trionyx* [*Amyda*] *burdigalensis* Cagliari Miocene Sardinia, **Comaschi Caria (1) & (2).**

Trionyx [*Amyda*] *japonica* abnormal lipid metabolism, pathological histology, **Fukuda & Kimura.**

†*Trionyx marini* fig. 4, pl. 25, Oligocene, Mequinenza (Saragosse) Spain, **Bergounioux (3)**; †*T.* [*Amyda*] *marini* Almatret (Lérida) Sannoisian Oligocene, Spain, **Bergounioux (3).**

Trionyx m. muticus Wabash Co., Illinois, photo., ecology, **Smith, P. W.**

†*Trionyx* [*Amyda*] *sardus*, Cagliari Miocene, Sardinia, **Comaschi Caria (1) & (2).**

Trionyx sinensis myology of pelvis and hind limbs, figs., **Kriegler**; *T.* [*Aspidonectes*] *sinensis* Wiegmann 1835 proposal to place the specific name on the Official List, **Mertens & Wermuth.**

Trionyx spiniferus introduced and established in New Jersey, **Conant (2)**; [*Amyda ferox spinifera*] heart anatomy and physiology, **Girgis (1)**; *T. spiniferus* [*ferox spiniferta*] from the Allegany State Park, ecological study, **Stewart**; *T. s. emoryi* ecology and habits, Big Bend region, Texas, **Minton**; *T. s. hartwegi* Cherokee Co., Iowa, **Christiansen**; *T. s. spiniferus* of Pickaway and Richland Co., Ohio, **Adler (3)**; new record, Licking Co., Ohio, **Adler & Dennis**; Tazewell Co., Illinois, photo., ecology, **Smith, P. W.**

Trionyx steindachneri from N. Vietnam, a general note, **Tien.**

†*Trionyx styriacus* from the Burdigalian of Eibiswald, Austria, **Bachmayer (2).**

Trionyx triunguis observations on the heart anatomy and physiology, **Girgis (1)**; aquatic respiration, anatomy and histology of the oral respiratory system, **Girgis (2).**

†ICHTHYOPTERYGIA

†ORDER ICHTHYOSAURIA

Ichthyosaurus sp. in the Lias at Mistelgau, **Heller (1)**; remains, Jurassic, Boulogne, France, **Mariette.**

Ichthyosaurus intermedius Lias, Portugal, **Veiga Ferreira.**

Ichthyosaurus tenuirostris in the Bern Natural History Museum, **Furrer.**

Stenopterygius aff. *uniter* fig., Lias, Portugal, **Veiga Ferreira.**

†SYNAPTOSAURIA

†ORDER PROTOROSAURIA

Tanystropheus longobardicus figs., importance of phalangeal formulae in studying habits, behaviour and locomotion, Trias, Switzerland, **Kuhn-Schnyder (2).**

Tridentinosaurus antiquus Permian, Trentino, Italy, **Leonardi (3).**

†ORDER SAUROPTERYGIA

Sauropterygia of China, new localities, **Young (6).**

Diagnostic characters, phylogeny and review of species of Jurassic pliosaurs, **Tarlo.**

Cimoliasauridae **fam. nov.** p. 6 of Plesiosauroidea for *Cimoliasaurus* Leidy 1851 and *Scanisaurus* Persson 1959; Cretaceous, Australia, **Persson.**

Cimoliasaurus maccoyi pl. 1, figs. 1–2; Aptian, White Cliffs, New South Wales, **Persson.**

Dolichorhynchops ? sp. Aptian, White Cliffs, New South Wales, **Persson.**

Eretmosaurus rzasnickii Menner (in litt.) p. 230, pl. 49, figs. 3a–c, 4, 5a–c; Jurassic, Russia, **Ryabinin**, *in* **Krimholz** [Editor].

Keichousaurus Young, cannot be placed in Pachypleurosauridae Peyer, belongs in Nothosauridae Peyer, affinities with *Lariosaurus* Curioni, **Kuhn-Schnyder (1).**

Kronosaurus sp. Albian, Hughenden district, Queensland, **Persson.**

Nothosaurus Triassic bone breccia, in Stare Gliny Quarry, near Olkusz, Cracow, **Lis & Wójcik.**

Nothosaurus mirabilis teeth in the Trias of the Trompia Valley, **Vialli.**

Pachypleurosaurus staubi **sp. nov.** p. 656, text-figs. 1, 2, 3, 6; pl. 1; Stulser Alp near Bergün (Grisons Canton) Switzerland, Ladinian, **Kuhn-Schnyder (1).**

Peloneustes, on the reconstruction, **Rau**; from the Oxford Clay, Peterborough, note on locality, **Struve (2).**

Peloneustes philarchus (Seeley) relation to other pliosaurs; diagnostic characters and taxonomy of pliosaurs, **Tarlo.**

Pliosaurus brachydeirus Owen, phylogeny; diagnostic characters and taxonomy of pliosaurs, **Tarlo.**

Pliosaurus brachyspondylus (Owen) phylogeny, diagnostic characters and taxonomy, **Tarlo.**

Pliosaurus ferox (Sauvage) phylogeny, diagnostic characters and taxonomy, **Tarlo.**

Pliosaurus macromerus Phillips phylogeny, diagnostic characters and taxonomy, **Tarlo.**

Pliosaurus pachydeirus Seeley, phylogeny, diagnostic characters and taxonomy, **Tarlo.**

Simolestes vorax, Andrews, phylogenetic table; diagnostic characters and taxonomy of pliosaurs, **Tarlo.**

Simosaurus gaillardoti skull, Upper Muschelkalk, Triassic; Crailsheim (Baden-Württemberg) Germany, discussion of the polyphyletic origin of Reptilia, **Kuhn-Schnyder (4).**

Woolungasaurus **gen. nov.** p. 11, of Elasmosauridae Cope 1869; genotype *W. glendowerensis* **sp. nov.** p. 12, pl. 1, figs. 3–4; pl. 2–3; Aptian, Glendower, Prairie, NC Queensland; Cretaceous, Australia, **Persson.**

LEPIDOSAURIA

†Lepidosauria. Late Permian to Recent, general characters and taxonomy, **Brattstrom (2).**

†ORDER EOSUCHIA

Eosuchia general characters, Permian [mainly South African] to Eocene, **Brattstrom (2).**

Pleurosaurus sp. Jurassic, Eichstatt, photos., **Kühne.**

ORDER RHYNCHOCEPHALIA

†Rhynchocephalia general characters, evolved from Eosuchia in Trias, living member *Sphenodon punctatus* of New Zealand, **Brattstrom (2).**

†*Champsosaurus* Upper Cretaceous, North America, pectoral girdle osteology, figs., **Friant.**

†*Homoeosaurus pulchellus* Jurassic evolution of the carpal region, **Cocude-Michel (1).**

†*Paradapedon huxleyi*, fig. Maleri fauna, Trias, India, **Colbert (1).**

Sphenodon punctatus adaptation to low temperatures and nocturnal habits, **Dowling (2)**; myology of pelvis and hind limbs, figs., **Kriegler.**

ORDER SQUAMATA

SUBORDER LACERTILIA [SAURIA]

General Fossil.—From the Pleistocene, Florida, U.S.A., **Holman (2).**

General Recent.—Growth formulae, **Fukada**; Feeding mechanism of lizards, **Gans (3)**; Remarks on the evolution of geckos and a study of the more primitive modern types, **Werner.**

AGAMIDAE

Agamidae from Australia and their haematozoan parasites, **Mackerras.**

Agama adramitana Aden Protectorate deserts, **Popov.**

Agama agama general notes and habits, **Bustard (20)**; from Abéché, Tchad and its range in Africa, **Wake &**

Kluge; *A. a. agama* Léopoldville and Stanley Pool, Congo, **Skelton-Bourgeois (2)**; *A. a. africana* life history and general study made in Liberia, **Daniel.**

Agama agilis food and feeding habits in the arid zone of Rajasthan, India, **Krishna & Dave (1).**

Agama atra Loskop Dam Nature Reserve, S. Africa, **Brain (2).**

Agama atricollis, photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2)**; photo., Camp de la Rwindi, Albert National Park, **Curry-Lindahl (2).**

Agama bibronii photo., Debdou and Sidi-Ali, Morocco, **Bons**; structure and function of hypophysis, **Saint Girons, H. (3).**

Agama caucasica circulatory system in the brain, **Klossovsky & Balashov.**

Agama cyanogaster difficulties in keeping them for long in captivity, **Brain (1).**

Agama flavimaculata Aden Protectorate deserts, **Popov.**

Agama fragilis fragilis Kalikiopulo Lagoon Corfu, **Mertens (2).**

Agama hispida distanti Loskop Dam Nature Reserve, S. Africa, **Brain (2).**

Agama jayakeri Aden Protectorate deserts, **Popov.**

Agama mossambica mossambica Vila Paiva de Andrada, Gorongosa, Mozambique, general notes, feeding habits, **Manaças (3).**

Agama mutabilis photo., Debdou and Sidi-Ali, Morocco, **Bons.**

Agama planiceps planiceps photos., habits in the wild in S.W. Africa and in captivity, **Hoesch (1)**; *A. p. sackii* feeding habits and food stuffs, **Kwak.**

Agama sanguinolenta circulatory system in the brain, **Klossovsky & Balashov.**

Agama sinaita Aden Protectorate deserts, **Popov.**

Agama stellio general note and photo., **Anon. (1)**; general notes and habits, **Bustard (20)**; statistical study, Black Sea area, **Stugren & Rădulescu**; *A. s. stellio*, Perama Corfu, **Mertens (2).**

Amphibolurus barbatus photos., behaviour, diet and ecology, vivarium study, **Bustard (2)**; photo., vivarium study, **Bustard (8)**; photo., behaviour, ecology and general notes, **Bustard (20)**; myology of pelvis and hind limbs, figs., **Kriegler.**

Calotes mystaceus figs., embryonic pigment pattern and development of adult colouration, **Fioroni.**

Calotes versicolor in India, parasitized by pentastomid parasites, **Anantaraman & Krishnaswami**; general study, Santa Cruz, Goa, India, **Manaças (2)**; predator of birds, India, **Pereira**; golgi bodies and mitochondria in sperm-fming cells, **Sud (1).**

Chlamydosaurus kingii cover photo., behaviour and general notes, **Bustard (20).**

Draco Oken 1816, proposal to place this name on the Official Index of Rejected and Invalid Generic Names and *D. ocellatus* Oken 1816 on the Official Index of Rejected and Invalid Specific Names due to invalidation of Oken's "Lehrbuch der Naturgeschichte," **Savage.**

Draco dussumieri heart with special reference to the conducting system, **Prakash & Raghavaiah.**

Draco volans photo., general notes on keeping as a pet, **Bustard (13)**; habitat, habits and gliding, **Bustard (20).**

Gonocephalus, coloured photo., ecology, New Guinea, **Schultze-Westrum.**

Leiolepis belliana belliana, *L. b. guttata*, *L. b. reevesii*, *L.b. rubritaeniata* **subsp. nov.** p 508, pl. 28, fig. 2; Paktjong, Bangkok, Thailand, **Mertens (5).**

Moloch horridus photo., problems of keeping, record of 2 clutches produced in captivity, **Bustard (13)**; photo., food and feeding habits, general notes, **Bustard (20).**

Phrynocephalus helioscopus persicus population dynamics, migration and growth, **Darevskii (1).**

Phrynocephalus interscapularis in the northern Prearal region, U.S.S.R., **Shilov.**

Phrynocephalus mystaceus circulatory system in the brain, **Klossovsky & Balashov.**

Physignathus lesueurii habits and general notes, **Bustard (20)**; myology of pelvis and hind limbs, figs., **Kriegler.**

Sitana ponticeriana mucronata **subsp. nov.** p. 5E, pl. 1; Hiniduma Southern Province, Ceylon, **Deraniyagala (5).**

Uromastyx sp. histochemistry of cytoplasmic inclusions in ageing spinal neurones, **Manocha & Sharma.**

Uromastyx acanthinurus myology of pelvis and hind limbs, figs., **Kriegler**; death in the "Jardin des Plantes," **Nouvel, Strazielle & Chauvier**; general biology, ecology and habits, **Richter**; simultaneous staining of Heinz bodies and reticulocytes after Iproniazid treatment, **Stolk (5)**; from Fada and range extension in Africa, **Wake & Kluge.**

Uromastyx aegyptia in desert regions, water reabsorption from the cloaca, **Chew, R. M.**; anatomy and histology of the alimentary canal, **El-Toubi & Bishai**; characteristics of the pancreatic amylase, **Hussein (1)**; influence of temperature on pancreatic amylase activity, **Hussein (2).**

Uromastyx asmussi general biology, ecology and habits, **Richter.**

Uromastyx hardwickii systematics distribution and ecology in the Desert of Rajasthan, **Dave**; cytoplasmic inclusions in the acinar cells of the pancreas, **Kanwar (2)**; fossorial habits, food and feeding habits in the Rajasthan desert, **Krishna & Dave (1)**; burrowing habits, **Majupuria (4)**; impulse initiating and conducting structures in the heart, **Prakash & Mowar (2)**; dehydration of urine for conservation of water, **Seshadri**; pigment bodies of spinal neurones, **Sharma (1)**; morphological and cytochemical studies on spinal neurones, **Sharma (3)**; acrosome-formation, **Sud (2)**; cytological studies of chromatoid bodies, **Sud (4).**

Uromastyx microlepis caught by Bedouin in the Hadhramaut for food and living in the Rub al Khali desert after a two year drought, photos., **Popov.**

AMPHISBAENIDAE

Amphisbaena cinerea Vandelli 1797 (type species of *Blanus* Wagler 1830) proposal to place *cinerea* on the Official List of Specific Names, **Gans (2).**

Amphisbaena dubia Rathke 1863, proposal to suppress *dubia* under the Laws of Priority and Homonymy and place this specific name on the Official Index of Rejected and Invalid Specific Names; *dubia* Müller 1924, proposed to be placed on the Official List of Specific Names, **Gans (1).**

Amphisbaena occidentalis from the Coastal Plains of N. Peru, *A. o. townsendi* Stejneger 1911 **comb. nov.** p. 8, figs. 5, 7, 10–13; Piura, Peru, **Gans (11).**

Amphisbaena reticulata Holmer 1787, proposal to suppress the specific name under the Law of Priority and place it on the Official Index of Rejected Names, **Gans (2)**; nomenclatorial study, **Gans (8)**.

Amphisbaena vermicularis darwini tongue, microscopic anatomy, **Serna de Esteban (1)**.

Bipes canaliculatus from arid tropical scrub in Mexico, **Davis & Dixon.**

Bipes lepidopus Oken 1816, proposal to place the specific name on the Official Index of Rejected and Invalid Names due to the invalidation of Oken's "Lehrbuch der Naturgeschichte", **Savage.**

Blanus Wagler 1830 (type-species *Amphisbaena cinerea* Vandelli 1797) proposal to place this name on the Official List of Generic Names, **Gans (2)**.

Blanus cinereus Vandelli 1797, nomenclatorial study, **Gans (8)**.

†*Changlosaurus* **gen. nov.** pp. 115, 118; of Amphisbaenidae, type species *C. wutuensis* **sp. nov.** pp. 115, 118, pl.; Oligocene or U. Eocene, Wutu, Changlo Shantung, **Young (10)**.

Rhineura floridana absorbing soil moisture when the body becomes dehydrated, **Chew, R. M.**

Trogonophis wiegmanni supra-renal histology, **Gabe & Martoja.**

ANGUIDAE

Abronia deppi in pine-oak forests of Mexico, **Davis & Dixon.**

†*Abronia reidi* **sp. nov.** p. 123 f. 1–3, Los Tuxtlas Range, Veracruz, Mexico, **Werler & Shannon.**

Anguis fragilis, survey in vicinity of Portscatho, Cornwall, found to be most abundant reptile, **Burrage**; general notes, Belgium, **Coomans, R.**; list of nematode parasites, from Richlieu, **Dollfus**; records from N.W. Kent, **Edwards**; fig. 4, general notes, Belgium, **Eeckhoudt**; structure and development, hypophysial vascular system, **Enemar**; figs., embryonic pigment pattern and development of adult colouration, **Fioroni**; from Roumania, systematic study, **Fuhn**; figs., Roumania, ecology and distribution, **Fuhn & Vancea (1)**; supra renal histology, **Gabe & Martoja**; Orla river region, Southern Germany, **König**; records from Dorset for 1960, **Prestt, I.**; ovary structure during gestation, **Raynaud, A. & J. (1)**; precocious secretion from embryonic endocrine glands, **Raynaud, A. & J. (2)**; hypophysis structure and function, **Saint Girons, H. (3)**; from the Kalinin district, general ecology, **Shaposhnikov, Golovin, Sorokin & Tarakanov**; histology of pineal (parietal) eye, **Streble**; statistical survey, Black Sea area, **Stugren & Rădulescu**; swimming movements and behaviour when placed in water **Tercafs (2)**; range in Holland, **Wijngaarden**; *A. f. colchicus* figs., Roumania, ecology and distribution, **Fuhn & Vancea (1)**; *A. f. fragilis*, Provence, general study, **Knoepffler, L. P. (1)**; figs., key, distribution in Poland, **Młynarski (2)**.

Anguis scytale (type-sp. of *Anilius* Oken 1816) proposal to place the specific name *scytale* Linnaeus 1758 on the Official List, **Savage.**

Barisia g. gadori in pine-oak forests of Mexico, **Davis & Dixon.**

Gerrhonotus imbricatus imbricatus Acuaro de las Lleguas, Mexico, ecology, **Duellman.**

Gerrhonotus liocephalus infernalis ecology, feeding and movement, Big Bend region, Texas, **Minton**; *G. l. liocephalus* in pine-oak forests in Mexico, **Davis & Dixon.**

Gerrhonotus multicarinatus webbii photo., 175 mm. snout to vent, tail 164 mm.; from Agua Caliente, E. of Tijuana, Baja California, Mexico, **Mitchell.**

Gerrhonotus panamintinus mating behaviour, photo., **Banta & Leviton (1).**

Gerrhonotus scincicauda webbii fig., range, description, habitat, Los Angeles, **Hill, H. R.**

Ophiodes striatus vertebralis from Carrasco region, Uruguay, **Legrand.**

†*Ophisaurus* sp. Quaternary, Czechoslovakia, **Fejfar.**

Ophisaurus apodus behaviour, feeding habits and keeping in vivaria, **Bustard (15)**; Peleka, Peleka-Rundblick and Kalikiopulo Lagoon, Corfu, **Mertens (2)**; diet and fertility, **Stolk (6)**; statistical study, Black Sea area, **Stugren & Rădulescu**; behaviour when placed in water and swimming movements, **Tercafs (2)**.

†*Ophisaurus apodus* from the palaeolithic of Ksâr' Akil, Lebanon, **Hooijer.**

Ophisaurus attenuatus attenuatus Tulsa Oklahoma, general notes, ecology, size and behaviour, **Blair**; Harris Co., Texas, photo., ecology, habits and variation, **Smith, P. W.**

†*Ophisaurus attenuatus* from the S. Great Plains, Pleistocene, **Etheridge (2).**

†*Ophisaurus compressus* from Florida, Pleistocene **Etheridge (2).**

Ophisaurus koellikeri hypophysis structure and function, **Saint Girons, H. (3).**

Ophisaurus ventralis study of stomach contents, **Hamilton & Pollack.**

†*Ophisaurus ventralis* from Florida, Pleistocene, **Etheridge (2)**; vertebrae; Pleistocene, Florida, U.S.A., **Holman (1).**

ANNIELLIDAE

Anniella pulchra absorption of water from moist soil when dehydrated, **Chew R. M.**; range, description, habitat fig., Los Angeles, **Hill, H. R.**

†ASKEPTOSAURIDAE

Askeptosaurus italicus shoulder-girdle described from Tessin, Switzerland. Trias, **Kuhn-Schnyder (5).**

†BROILISAURIDAE

Broilisaurus schröderi text-fig. 3. Jurassic, Germany, **Cocude-Michel (2).**

CHAMAELEONIDAE

Brookesia spectrum boulengeri photo. Tungudu, N. Beni (Kivu) alt. 840 m., **Witte (2).**

Chamaeleo photographed catching a fly, **Adams.**

Chamaeleo bitaeniata photos. of young, vivarium study, **Bustard (6)**; ornamentation and suggested function, **Rand (2)**; *C. b. ellioti* vivarium study, **Bustard (5)**; photo., Rutshuru (Kivu) 1,285 m., & *C. b. graueri* photo., Virunga 2,800 m., **Witte (2).**

Chamaeleo chamaeleon musae & *C. c. recticrista* additions to the list of reptiles of Israel, **Hoofien** *in* **Barash & Hoofien.**

†*Chamaeleo chamaeleon* subsp. from the Palaeolithic of Ksâr 'Akil, Lebanon, **Hooijer.**

Chamaeleo dilepis in captivity, general notes and observations, **Attwell**; Loskop Dam Nature Reserve, S. Africa, **Brain (2)**; from the Chirinda forest, Mount Salinda, Southern Rhodesia, **Bruggen (2)**; Mocuba, Zambézia, Mozambique, general notes and feeding habits, **Manaças (3)**; body temperature, **Stebbins**; swimming

ability, **Tercafs (2)**; *C. d. dilepis* photo., Mabwe, Upemba 855 m., **Witte (2)**.

Chameleo fischeri photograph and feeding in captivity, **Leenhart, B. (2)**.

Chamaeleo fulleborni ornamentation and suggested function, **Rand (2)**.

Chamaeleo gallus, chromosome study and systematic position, **Matthey**.

Chamaeleo gracilis from Gongo, Tchad and range extension notes, **Wake & Kluge**.

Chamaeleo hoehnelii vivarium study, **Bustard (5)**; photo. of young, vivarium study, **Bustard (6)**.

Chamaeleo ituriensis photo., Tungudu N. Beni (Kivu) 840 m., **Witte (2)**.

Chamaeleo jacksoni, photos., feeding behaviour, **Brain (3)**; vivarium study, **Bustard (5)**; photograph, note on feeding, **Leenart, B. (2)**; ornamentation and suggested function, **Rand (2)**.

Chamaeleo johnstoni 2 photos ♂ and ♀, Kibati and Bitashimwa, Albert National Park, **Curry-Lindahl (2)**; ornamentation and suggested function, **Rand (2)**; *C. j. johnstoni* photo., Bitashimwa (Virunga) 1,950 m., **Witte (2)**.

Chamaeleo lateralis supra renal histology, **Gabe & Martoja**.

Chamaeleo namaquensis photo., habits in the wild in S.W. Africa and in captivity, **Hoesch (1)**; body temperature, **Stebbins**.

Chamaleo tempeli ornamentation and suggested function, **Rand (2)**.

Chamaeleo vulgaris myology of pelvis and hind limbs, figs., **Kriegler**.

Chamaeleo xenorhinus photo., Ruwenzori 1,940 m., **Witte (2)**.

Chamaeleo zeylandicus specialized features shown by the skull, **Prasad (3)**.

Microsaura pumila vivarium study, **Bustard (5)**.

Rhampholeon marshalli from the Chirinda forest, Mount Salinda, Southern Rhodesia, **Bruggen (2)**.

CORDYLIDAE

Cordylus cataphractus vivarium study, **Bustard (1)**.

Cordylus coeruleopunctatus vivarium study, **Bustard (1)**.

Cordylus cordylus photo., & *C. c. niger* vivarium study, **Bustard (1)**.

Cordylus giganteus vivarium study, **Bustard (1)**; on display, live, in Transvaal Museum, **Brain (1)**.

Cordylus jonesii from Loskop Dam Nature Reserve, S. Africa, **Brain (2)**.

Cordylus polyzonus vivarium study, **Bustard (1)**; *C. p. jordani* photo., habits, in the wild in S.W. Africa and in captivity, **Hoesch (1)**.

Cordylus rubra vivarium study, **Bustard (1)**.

Cordylus vittifer photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2)**.

Gerrhosaurus flavigularis body temperature, **Stebbins**; *G. f. flavigularis* photo., from Loskop Dam Nature Reserve, S. Africa, **Brain (2)**; Mutuali, Mozambique, general notes and feeding habits, **Manaças (3)**; a tropical dominant in the well defined temperate lizard fauna of southern Africa, **Poynton**.

Gerrhosaurus nigrolineatus anselli **subsp. nov.** p. 433, text-fig., Mwinilunga Boma, Northern Rhodesia, **Broadley (4)**; *G. n. nigrolineatus* photo., habits wild in S.W. Africa and in captivity, **Hoesch (1)**.

Gerrhosaurus validus validus from Loskop Dam Nature Reserve, S. Africa, **Brain (2)**; Nhantare River, Mozambique, general notes and feeding habits, **Manaças (3)**.

Pseudocordylus microlepidotes photograph, note on feeding, **Leenart, B. (2)**.

EUBLEPHARIDAE *see under* GEKKONIDAE

GEKKONIDAE

Gekkonidae, Rajasthan desert, India, **Krishna & Dave (2)**; from Australia and their haematozoan parasites, **Mackerras**.

Alsophylax blanfordii found living in the heart of the Rub al Khali sands, Aden Protectorate, **Popov**.

Alsophylax tuberculatus Rajasthan desert, India, **Krishna & Dave (2)**.

Chondrodactylus anguilifer body temperature study, **Stebbins**.

Cnemaspis spinicollis (L. Müller 1907) from the Ivory Coast, Africa, preliminary note, **Pasteur (2)**.

Coleonyx brevis Black Gap wildlife management area, Brewster Co., Texas, **Axtell (5)**.

Coleonyx elegans nemoralis from arid tropical scrub and tropical deciduous forest in Mexico, **Davis & Dixon**.

Coleonyx variegatus, range description, habits and fig., Los Angeles, **Hill, H. R.**; *C. v. brevis* ecology, Big Bend region Texas, **Minton**.

Cosymbotus platyurus distribution in Bandung, Java, **Church & Lim**.

Gehyra Gray 1834 type by monotypy *G. pacifica* = *Gecko oceanica* Lesson 1830; referred species three: *Gehyra australis* Gray, 1845 (syn.: *Gecko grayi* Steindachner 1867, ? *Phyria punctulata* Gray 1845); *Gehyra marginata* Boulenger 1887 (syn.: *G. fischeri* Strauch 1887, *G. marginata* Boettger 1895); *Gehyra oceanica* (Lesson 1830) (syn.: *Gehyra gularis* Gray 1842, *Hemidactylus oualensis* Duméril & Bibron 1836, *Gehyra vorax* Girard 1847), **Chrapliwy, Smith & Grant**.

Gekko gecko urinogenital morphology, from Bengal, **Nair**.

Gekko verticillatus myology of pelvis and hind limbs, figs., **Kriegler**.

Gonotodes littoralis craniology, shows features transitional to Icthyopsida, Rhynchocephalia and modern lizards, **Jain (1)**.

Gymnodactylus kotschyi statistical study, Black Sea area, **Stugren & Rădulescu**; egg batches, **Szczerbak**.

Gymnodactylus scaber Rajasthan desert, India, **Krishna & Dave (2)**.

Hemidactylus mucinogenesis in goblet cells, **Kanwar (1)**.

Hemidactylus brooki Rajasthan desert, India, **Krishna & Dave (2)**.

Hemidactylus flaviviridis pigment bodies of spinal neurones, **Sharma (1)**; morphology and cytochemistry of ageing spinal neurones, **Sharma (2)**; sperm movements seen by phase-contrast microscopy, **Sud (3)**.

Hemidactylus frenatus distribution in Bandung, Java, **Church & Lim**; diet and feeding habits, stomach contents, Rangoon Burma, **Tyler (2)**.

Hemidactylus mabouia, Vila Paiva de Andrada, Mozambique, general notes, **Manaças (3)**.

Hemidactylus mercatorius an east African gecko colonising Ascension Island, habitat, colouration, ecology and distribution, **Loveridge, A. (2)**.

Hemidactylus shrugaensis photo., ecology, general anatomy and adaptations for living in an arid climate like Aden, **Popov.**

Hemidactylus turcicus chondrocranium developmental characters, **Kamal (1)**; developmental stages of the chondrocranium, **Kamal (2)**; phylogenetic position, **Kamal (3)**; hypophysis structure and function, **Saint Girons, H. (3)**; *H. t. turcicus*, Provence general study, **Knoepffler, L.-P. (1)**; from Corfu, **Mertens (2).**

Hemidactylus yerburyi photo., ecology, general anatomy and adaptations for living in an arid climate like Aden, **Popov.**

Homopholis wahlbergii from the Loskop Dam Nature Reserve, S. Africa, photo., **Brain (2).**

Lepidodactylus lugubris distribution in America, **Smith & Grant.**

Lygodactylus capensis appeal as a live museum specimen, **Brain (1)**; Vila Paiva de Andrada, Mozambique, general notes, feeding habits, **Manaças (3)**; *L. c. capensis* photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2).**

Lygodactylus conraui Tornier (1902) from the Ivory Coast, Cameroons, Nigeria, Ghana and Liberia, **Pasteur (2).**

Lygodactylus picturatus gutturalis photo., Lake Edouard, Albert National Park, **Curry-Lindahl (2).**

Naultinulus **nom. nov.** p. 7 for *Naultinus* (nec Gray) Boulenger 1885 referred species:—one, the type *Naultinulus elegans* (Gray 1842) (syn.: *Naultinus punctatus* Gray 1843, *N. grayi* Bell 1843, *N. sulphureus* Buller 1871, *N. pentagonalis* Colenso 1880), **Chrapliwy, Smith & Grant.**

Naultinus Gray 1842 type by monotypy *N. pacificus*; referred species.—According to M. Smith, 4 species recognised, *N. pacificus* Gray 1842; *N. duvauceli* (Duméril & Bibron 1836); *N. granulatus* Gray 1845 (syn.: *N. grayi* Knox 1870; *N. sylvestris* Buller 1881; *N. versicolor* Colenso 1885) & *N. maculatus* Gray 1845 (syn.: *N. brevidactylus* Gray 1845). McCann considers *maculatus* (and *brevidactylus*) as synonyms of *N. granulatus* leaving 3 species in this genus, **Chrapliwy, Smith & Grant**; *Naultinus* Gray, recently moved to *Hoplodactylus*, discussion of nomenclatorial validity of such a move and conclusion that *Naultinus* Gray 1842 type species *Naultinus elegans* Gray 1842, by subsequent designation of Malcolm Smith 1933 and of McCann 1955 is applicable in its traditional sense; that it is not a senior synonym of *Hoplodactylus* Fitzinger 1843 (type species by original designation *Platydactylus duvauceli* Duméril & Bibron 1836) and that these two generic names of New Zealand lizards be accepted in their traditional sense. *Naultinulus* Chrapliwy, Smith and Grant is therefore an objective (absolute) synonym of *Naultinus*, **Myers, G. S.**

Pachydactylus bibroni body temperature, **Stebbins**; *P. b. bibroni* from Loskop Dam Nature Reserve, S. Africa, **Brain (2).**

Pachydactylus capensis body temperature, **Stebbins**; *P. c. capensis* from Loskop Dam Nature Reserve, S. Africa, **Brain (2).**

Pachydactylus p. punctatus from Loskop Dam Nature Reserve, S. Africa, **Brain (2).**

Palmatogecko rangei photo., habits in the wild in S.W. Africa and in captivity, **Hoesch (1).**

Peropus Wiegmann 1835 type by monotypy *Hemidactylus* (*P.*) *mutilatus* Wiegmann 1835; 10 referred species: *Peropus baliolus* (Duméril 1851); *P. barea* (Kopstein 1926); *P. brevipalmatus* (Peters 1874); *P. butleri* (Boulenger 1900); *P. intermedius* (Brown 1902); *P. interstitialis* (Oudemans 1894); *P. leopoldi* (Brongersma 1930); *P. mutilatus* (Wiegmann 1835) (syn.: *Gehyra beebei* Annandale 1913; *Peripia brevicaudis* Macleay 1878; *Gecko harrieti* Tytler 1864; *Dactyloperus insulensis* Girard 1856; *Hemidactylus navarri* Dugés 1883; *Peropus packardi* Cope 1868; *Peripia papuensis* Macleay 1878; *Gecko pardus* Tytler 1864; *Hemidactylus peroni* Duméril & Bibron 1836; *H. platurus* Bleeker 1858) *Peropus papuanus* (Meyer 1874) (syn.: *Gehyra lampei* Andersson 1914; *Peripia marmorata* Macleay 1878); *P. variegatus* (Duméril & Bibron 1836) (syn.: *Peripia longicaudis* Macleay 1878; *Peropus variegatus punctatus* Fry 1914) The 2 nominal species *Peripia dubia* & *P. ornata* Macleay 1878 here regarded as unidentifiable, **Chrapliwy, Smith & Grant.**

Peropus mutilatus distribution in Bandung Java, **Church & Lim.**

Phelsuma lineata in terraria, **Rekum (2)**; photo., **Roelofs.**

Phyllodactylus bordai, from the Chilpancingo Region, Mexico, **Davis & Dixon.**

Phyllodactylus delcampi from the Chilpancingo Region Mexico, **Davis & Dixon.**

Phyllodactylus duellmani Rancho El Espinal, San Salvador 1,600 ft. p. 37, **sp. nov.** Mexico, **Dixon (2)**; El Espinal, Mexico ecology, **Duellman.**

Phyllodactylus europaeus smallest lizard, general points, **Coomans, R.**; Provence general study, **Knoepffler, L.-P. (1).**

Phyllodactylus homolepidurus El Ticuiz, Mexico, ecology, **Duellman.**

Phyllodactylus lanei from the Chilpancingo Region, Mexico, **Davis & Dixon**; Apatzingán Mexico, ecology, **Duellman.**

Phyllodactylus magnus from the Chilpancingo Region, Mexico, **Davis & Dixon.**

Phyllodactylus paucituberculatus **sp. nov.** p. 40, Rio Cupatitzio Lombardia 1,150 ft. Michoacán summary of the natural groups of *Phyllodactylus* in Mexico, **Dixon (2)**; Rio Marquez, Mexico, ecology, **Duellman.**

Phyllodactylus unctus first record (adult female) from Isla Cerralvo, **Etheridge (1).**

Ptenopus garrulus body temperature, **Stebbins**; *P. g. maculatus* habits in captivity and in the wild in S.W. Africa, photo., **Hoesch (1).**

Ptychozoon kuhli from Car Nicobar Is., eggs and flight, **Tiwari.**

Ptyodactylus hasselquistii development of the chondrocranium, **El-Toubi & Kamal**; developmental characters of the chondrocranium, **Kamal (1)**; phylogenetic position, **Kamal (3)**; photograph, **Rekum (1)**; *P. h. hasselquistii* living in the Aden Protectorate in very dry conditions, **Popov**; range extension and description of those caught at Fada, Tchad, Africa, **Wake & Kluge**; *P. h. oudrii* from N.W. Talsinnt, Morocco, photo., **Bons.**

Quedenfeldtia trachyblepharus hypophysis structure and function, **Saint Girons, H. (3).**

Saurodactylus mauritanicus mauritanicus from N.W. Debdou, Morocco, photo., **Bons.**

Sphaerodactylus anthracinus phylogeny, Cuba, **Schwartz, A.**

Sphaerodactylus copei phylogeny, Cuba, **Schwartz, A.**

Sphaerodactylus oliveri phylogeny, Cuba, **Schwartz, A.**

Sphaerodactylus scaber phylogeny, Cuba, **Schwartz, A.**

Sphaerodactylus shrevei **sp. nov.** p. 1, Mole Saint Nicolas, Haiti, comparisons with other members of this genus, **Lazell.**

Sphaerodactylus storeyae phylogeny, Cuba, **Schwartz, A.**

Stenodactylus orientalis Rajasthan desert, India, **Krishna & Dave (2).**

Stenodactylus sthenodactylus photo., from the Aden Protectorate, **Popov**; *S. s. mauritanicus* from Mahiridja, Debdou and El' Aïoun, **Bons.**

Tarentola annularis considered as a distinct species, characters listed, discussion on status of populations in Guinea region, photos., distribution map, includes *T. senegalensis*, Blgr., **Grandison**; photo., West Africa taxonomic study, **Pasteur (1)**; range extension and description from Fada and Oum Chalouba, **Wake & Kluge.**

Tarentola delalandii hoggarensis Werner, considered a synonym of *T. ephippiata* O'Shaughnessy, **Grandison.**

Tarentola ephippiata considered a distinct species, characters listed, discussion on status of populations in Guinea region, photo., distribution map, **Grandison.**

Tarentola hoggarensis hoggarensis photo., West Africa taxonomic study, **Pasteur (1)**; *T. h. panousei*, photo., West Africa taxonomic study, **Pasteur (1).**

Tarentola mauritanica from Boulemane, Missour & Debdou, Morocco, **Bons**; proteic secretions of the epididymis, **Furieri**; in the south of France, photo., **Hoogmoed**; cranial bones found in regurgitated owl pellets, Spain, **Nos**; photo., general study from West Africa, **Pasteur (1)**; hypophysis structure and function, **Saint Girons, H. (3)**; swimming ability, **Tercafs (2)**; *T. m. mauritanica*, Provence general study, **Knoepffler, L.- P. (1)**; Mediterranean distribution, **Petit & Knoepffler.**

Tarentola neglecta photo., West Africa taxonomic study, **Pasteur (1)**; range extension and description from Fada and Oum Chalouba, Tchad, **Wake & Kluge.**

Tarentola panousei Pasteur, relegated to the synonymy of *T. ephippiata* O'Shaughnessy, **Grandison.**

Thecadactylus rapicaudus confirmation of presence in British Honduras fauna, **Neill & Allen (1).**

Trachydactylus jolensis photo., approx. 10 cm. long collected in the Hadhramaut, Aden Protectorate, **Popov.**

Tropiocolotes tripolitanus common developmental characters of the chondrocranium, **Kamal (1)**; phylogenetic position, **Kamal (3).**

Wallsaurus uruguayensis **sp. nov.** p. 2, fig. 1; pls. 1, 2; Arroyo de la Invernada, Dept. Artigas Uruguay, **Vaz. Ferreira & Sierra de Soriano.**

GERRHOSAURIDAE *see under* CORDYLIDAE

HELODERMATIDAE

Heloderma horridum venom study, **Coomans, R.**; in tropical deciduous forests of Mexico, **Davis & Dixon**; *H. h. horridum* Apatzingán, Mexico ecology, **Duellman.**

Heloderma suspectum venom study, **Coomans, R.**; general habits, photographs, **Graaf**; physiological study by means of a trailing device, **Heath**; (photo. ♂ from Phoenix, Arizona) ecological and general study, **Hoevers (2)**; myology of pelvis and hind limbs, figs., **Kriegler**; poisoning, general notes, **Russell (2).**

Lanthonotus borneensis figs., general study, captured alive in Borneo, **Harrisson**; photos., notes on a live specimen from Borneo, ecology and feeding habits and movement, **Harrisson & Haile (1)**; collected in Borneo and its behaviour in captivity, **Harrisson & Haile (2)**; general note, **Pritchard.**

IGUANIDAE

Amblyrhynchus cristatus photograph, **Dorst.**

Anolis spp. general breeding studies, **Molle (2).**

Anolis ahli from Sierra de Trinidad in Las Villas, taxonomy and figs., **Ruibal & Williams (2).**

Anolis allisoni body and environmental temperatures in Cuban species, **Ruibal**; variation from Camaguey and Roatan Island, ear openings compared with other anolids, Cuba, **Ruibal & Williams (1).**

Anolis allogus body and environmental temperatures in Cuban species, **Ruibal**; from Bueycito, Oriente Cuba, taxonomy and figs., **Ruibal & Williams (2).**

Anolis alutaceus ecology and morphology correlations in Cuba, Havana and S. Florida, **Collette.**

Anolis angusticeps ecology and morphology correlations in Cuba, Havana and S. Florida, **Collette.**

Anolis carolinensis photo., egg hatching and incubator notes, vivarium study, **Bustard (11)**; hypophysis structure and function, **Saint Girons, H. (3)**; induction of regeneration, **Singer (1)**; induction of regeneration of body parts, **Singer (2)**; *A. c. carolinensis*, Diptera, Coleoptera, wasps and caterpillars found in contents of 6 stomachs, **Hamilton & Pollack.**

†*Anolis carolinensis* dentaries and maxilla, Pleistocene, Florida, U.S.A., **Holman (1).**

Anolis cochranae **sp. nov.** pp. 1, 7; and a review of the *A. semilineatus* group from the Cordillera Central, Dominican Republic, **Williams & Rand.**

Anolis cybotes photograph, **Nedermeijer.**

Anolis dunni, Chilpancingo region, Mexico, **Davis & Dixon**; from Arteaga Mexico, ecology, **Duellman.**

Anolis equestris ecology and morphology correlations in Cuba, Havana and S. Florida, **Collette**; photograph and notes, **Molle (3).**

Anolis gadovi Chilpancingo region, Mexico, **Davis & Dixon.**

Anolis homolechis body and environmental temperatures in Cuban species, **Ruibal**; Havana, taxonomy and figs., **Ruibal & Williams.**

Anolis imias **sp. nov.** p. 237, Guantanamo Bay, Imias Oriente, taxonomy and figs., **Ruibal & Williams (2).**

Anolis intermedius new record, Chiquibul Forest, Cayo District, British Honduras, **Fugler.**

Anolis koopmani **sp. nov.** p. 1, South western peninsula of Haiti, near Ducis, N. of Aux Cayes, **Rand (3).**

Anolis liogaster Chilpancingo region of Mexico, **Davis & Dixon.**

Anolis lucius body and environmental temperatures in Cuban species, **Ruibal.**

Anolis megapholidotus Chilpancingo region of Mexico, **Davis & Dixon.**

Anolis mestrei, from Valle de Luis Lazo, Pinar del Rio, Cuba, taxonomy and figs., **Ruibal & Williams (2).**

Anolis microlepidotus Chilpancingo region of Mexico, **Davis & Dixon.**

Anolis nebuloides Sinaloa, Sonora, Mexico, **Fugler & Dixon.**

Anolis nebulosus Chilpancingo region of Mexico, **Davis & Dixon**; Acahuato, Mexico, ecology, **Duellman.**

Anolis omiltemanus Chilpancingo region of Mexico, **Davis & Dixon.**

Anolis porcatus ecology and morphology correlations in Cuba, Havana and S. Florida, **Collette;** photo., rearing and keeping in vivaria, **Mcile (1);** from Oriente, Camaguey and Pinar del Rio, figs., 3 forms, variation, **Ruibal & Williams (1).**

Anolis rubribarbus from Puerto de Cananova near Sagua de Tanamo, Oriente, Cuba taxonomy and figs., **Ruibal & Williams (2).**

Anolis sagrei ecology and morphology correlations in Cuba, Havana and S. Florida, **Collette;** photos., studies on rearing and keeping in vivaria, **Molle (1);** general study, **Moonen;** body and environmental temperatures in Cuban species, **Ruibal.**

Anolis schmidti La Placita, Mexico, ecology, **Duellman.**

Anolis semilineatus group evolution and relationships on Hispaniola, **Williams, E. E.**

Anolis subocularis Chilpancingo region of Mexico, **Davis & Dixon.**

Basiliscus vittatus in tropical deciduous forest of the Chilpancingo region of Mexico, **Davis & Dixon;** from Apatzingán, Mexico, ecology, **Duellman.**

†*Bavarisaurus macrodactylus*, text-fig. 2, Jurassic Germany, **Cocude-Michel (2).**

Callisaurus draconoides, running speeds in open dunes in California, **Belkin;** *C. d. bogerti* El Dorado, Guiracoba-Álamos mountains, Mexico, **Fugler & Dixon;** *C. d. draconoides* first record for Isla Cerralvo, Gulf of California, **Etheridge (1);** *C. d. gabbi* middle ear structure and evolution, **Earle (3);** *C. d. myurus* a synonym of *C. d. gabbi*, **Banta (4);** *C. d. ventralis*, & *C. d. ventralis* × *gabbi* middle ear structure and evolution, **Earle (3).**

Callisaurus ventralis gabbii fig., range, description and habits, Los Angeles, **Hill, H. R.**

Crotaphytus collaris, Cragin Quarry, Meade Co., Kansas, **Hibbard & Taylor;** *C. c. baileyi* ecology, habits, photo., keeping in terraria, **Bustard (19);** figs., range, description and habits, Los Angeles, **Hill, H. R.;** ecology and behaviour Big Bend region, Texas, **Minton;** *C. c. collaris*, ecology, habits, photo., keeping in terraria, **Bustard (19).**

†*Crotaphytus collaris* Pleistocene Friesenhahn Cave, Texas, **Mecham.**

Crotaphytus reticularis ecology, habits, photo., keeping in terraria, **Bustard (19).**

Crotaphytus wislizenii figs., range description and habits, Los Angeles, **Hill, H. R.;** *C. w. wislizeni* ecology and behaviour, Big Bend region, Texas, **Minton.**

Ctenosaura hemilopha electrophoresis of sera, **Leone & Wilson.**

Ctenosaura pectinata in arid tropical scrub in the Chilpancingo region of Mexico, **Davis & Dixon;** from Apatzingán, Mexico, ecology, **Duellman;** from El Dorado, Sinaloa, Mexico, **Fugler & Dixon.**

Dipsosaura dorsalis, running speeds in open dunes in California, **Belkin;** social behaviour patterns, **Carpenter (2);** *D. d. dorsalis* range, description and habits, Los Angeles, **Hill, H. R.**

Enyaliosaurus clarki Apatzingán Capirio, Mexico ecology, **Duellman.**

Holbrookia bunkeri middle ear structure and evolution, **Earle (3).**

Holbrookia lacerata subcaudalis middle ear structure and evolution, **Earle (3).**

Holbrookia maculata photos., orientation to solar and reflected heat. **Axtell (2);** additional note on the anatomy of the middle ear, **Earle (2);** *H. m. approximans* middle ear structure and evolution, **Earle (3);** captured in a quadrat study on movement in Texas, **Milstead (6);** ecology and behaviour, Big Bend region, Texas, **Minton;** *H. m. elegans* middle ear structure and evolution, **Earle (3);** *H. m. maculata* structure of middle ear, **Earle (1);** middle ear structure and evolution, **Earle (3);** *H. m. thermophila* middle ear structure and evolution, **Earle (3).**

Holbrookia p. propinqua middle ear structure and evolution, **Earle (3).**

Holbrookia texana Sangamon to Recent, Cragin Quarry, Kansas, **Hibbard & Taylor;** trapping of lizards in S.W. Texas, **Milstead (2);** captured in a quadrat study on movement in Texas, **Milstead (6);** *H. t. scitula* middle ear structure and evolution, **Earle (3);** ecology and behaviour, Big Bend region Texas, **Minton;** *Holbrookia t. texana* middle ear structure and evolution, **Earle (3).**

Iguana iguana death in the "Jardin des Plantes", **Nouvel, Strazielle & Chauvier;** amoebiasis, **Steck;** development of ovarian hormones in the liver, **Stolk (1);** swimming ability, **Tercafs (2);** *I. i. rhinolopha* Apatzingán, Mexico, ecology, **Duellman.**

Iguana tuberculata myology of pelvis and hind limbs, figs., **Kriegler.**

Leiosaurus belli from the Rio Negro, Brazil, zoogeography, **Gallardo (1).**

Leiosaurus bibronii Neuquén river, Brazil, zoogeography, **Gallardo (1).**

Leiosaurus catamarcensis Catamarca Brazil, zoogeography, **Gallardo (1).**

Leiosaurus paronae Santiago del Estero, Brazil, zoogeography, **Gallardo (1).**

Liolaemus a. alticolor from La Quiaca, Jujuy Province, Argentina, geographical variation, **Hellmich;** *L. a. walkeri* from Llocllapampa, Junin Dept., Peru, geographical variation, **Hellmich.**

Liolaemus constanzae **sp. nov.** p. 389, text-fig. 16; Peine Antofagasta Chile, **Donoso-Barros (2).**

Liolaemus cyanogaster brattstroemi **subsp. nov.** p. 486, text-fig. 1; forest near Lechagua, Chiloé Island, **Donoso-Barros (3).**

Liolaemus multiformis photoperiodic responses, **Bartholomew.**

Liolaemus paulinae **sp. nov.** p. 387 text-fig. 1c, Los River Antofagasta, Chile, **Donoso-Barros (2).**

Liolaemus ruibali **sp. nov.** p. 390, text-fig. 1a; between Villavicencio and Uspallata Mendoza, Argentina, **Donoso-Barros (2).**

Liolaemus wiegmannii from Carrasco region, Uruguay, **Legrand.**

Phrynosoma asio, from the Chilpancingo region of Mexico, **Davis & Dixon;** of San Salvador, Mexico, ecology, **Duellman.**

Phrynosoma blainvillii blainvillii, fig., range, description, habits, Los Angeles, **Hill, H. R.;** *P. b. frontale* range, description and habits, Los Angeles, **Hill, H. R.**

Phrynosoma coronatum blainvillii a general study, **Hoevers (1).**

Phrynosoma cornutum remains found in owl pellets, N.E. Chihuahua, **Anderson & Ogilvie;** photoperiodic responses, **Bartholomew;** from Cragin Quarry, Kansas. Pliocene to Recent, **Hibbard & Taylor;** captured in a quadrat study on movement in Texas, **Milstead (6);**

colour variation, ecology and behaviour, Big Bend region, Texas, **Minton**; general note, E. Texas, **Webb & Packard.**

Phrynosoma modestum remains found in owl pellets, N.E. Chihuahua, **Anderson & Ogilvie**; of Cragin Quarry, Kansas, Pliocene to Recent, **Hibbard & Taylor**; ecology, trapped in S.W. Texas, **Milstead (2)**; captured in a quadrat study on movement in Texas, **Milstead (6)**; colour variation, ecology and behaviour, Big Bend region, Texas, **Minton.**

Phrynosoma platyrhinos in S. Nevada, stomach contains berries of *Lycium andersonii*, **Banta (2)**; range description and habits, Los Angeles, **Hill, H. R.**

Phrynosoma taurus from the Chilpancingo region, Mexico, **Davis & Dixon.**

Tapaja [= *Phrynosoma* Wiegmann 1828] Oken 1816, (also spelled *Tapaia*) proposal to place this name on the Official Index of Rejected and Invalid Generic Names due to invalidation of Oken's "Lehrbuch der Naturgeschichte," **Savage.**

Polychrus acutirostris general ecology, notes on laboratory studies, **Blankenstein.**

Sauromalus ater fig. range, description and habits, Los Angeles, **Hill, H. R.**

Sauromalus obesus photo., ecology, habits, keeping in terraria, **Bustard (19).**

Sceloporus aeneus aeneus from Apatzingán, Mexico, ecology and general studies, **Duellman.**

Sceloporus asper from Apatzingán, Mexico, ecology and general studies, **Duellman.**

Sceloporus bulleri from Dos Aguas, Mexico, ecology and general studies, **Duellman.**

Sceloporus clarki boulengeri El Dorado Sinaloa, Mexico, **Fugler & Dixon.**

Sceloporus cyanogenys birth in a vivarium, **Bustard (9)**; general habits and features observed whilst in vivaria, **Bustard (16)**; parturition, **Kennedy (2).**

Sceloporus dugesi intermedius from Cojumatlán, Mexico, ecology and general studies, **Duellman.**

Sceloporus formosus scitulus from Chilpancingo region, Mexico, **Davis & Dixon.**

Sceloporus gadoviae from the Chilpancingo region, Mexico, **Davis & Dixon.**

Sceloporus gadoviae from Chupio, Mexico, ecology and general studies, **Duellman.**

Sceloporus graciosus vandenburghianus range, description and habits, Los Angeles, **Hill, H. R.**

Sceloporus g. grammicus from Chilpancingo region, Mexico, **Davis & Dixon**; *S. g. microlepidotus* from Angahuari, Mexico, ecology and general studies, **Duellman.**

Sceloporus heterolepis from Araparicuaro, Mexico, ecology and general studies, **Duellman.**

Sceloporus h. horridus from Chilpancingo region, Mexico, **Davis & Dixon**; *S. h. oligoporus* from Aguililla, Mexico, ecology and general studies, **Duellman.**

Sceloporus jarrovi immucronatus water colour, from life, Jacala Hidalgo, Mexico, **Sutton.**

Sceloporus magister fig., range, description and habits, Los Angeles, **Hill, H. R.**; trapping lizards in S.W. Texas, **Milstead (2)**; *S. m. bimaculosus* from Brewster Co., Texas, **Axtell (5)**; behaviour, ecology and courtship Big Bend region, Texas, **Minton**; *S. m. transversus* considered a synonym of *S. m. magister*, **Banta (4)**; *S. m. uniformis* considered a synonym of *S. m. magister*, **Banta (4).**

Sceloporus melanorhinus calligaster from Chilpancingo region, Mexico, **Davis & Dixon**; from Acahuato Mexico, ecology and general studies, **Duellman.**

Sceloporus merriami social behaviour patterns, display, aggression and dominance, courtship and mating, **Carpenter (3)**; *S. m. annulatus* behaviour, ecology and courtship Big Bend region, Texas, **Minton**; *S. m. merriami* from Brewster Co., Texas, **Axtell (5)**; behaviour, ecology and courtship, Big Bend region, Texas, **Minton.**

Sceloporus mucronatus omiltemanus from Chilpancingo region, Mexico, **Davis & Dixon.**

Sceloporus occidentalis parietal eye structure, **Eakin & Westfall**; photograph, **Leenart, B. (1)**; testicular histology and seasonal changes in testicular microanatomy, **Wilhoft & Quay**; *S. o. biseriatus* range, description and habits, Los Angeles, **Hill, H. R.**; *S. o. occidentalis* determination of the Critical Thermal Maximum, **Larson.**

Sceloporus ochoterenai from Chilpancingo region, Mexico, **Davis & Dixon.**

Sceloporus olivaceus scale count, general note, E. Texas, **Webb & Packard.**

Sceloporus poinsetti behaviour, ecology and courtship, Big Bend region, Texas, **Minton**; *S. p. poinsetti* from Brewster Co., Texas, **Axtell (5).**

Sceloporus pyrocephalus from the Chilpancingo region, Mexico, **Davis & Dixon**; from Acahuato, Mexico, ecology and general studies, **Duellman.**

Sceloporus scalaris scalaris from Carapan, Mexico, ecology and general studies, **Duellman.**

Sceloporus serrifer prezygous photos., rediscovered from Chiapas, Mexico, discussion on relationship, **Axtell (1).**

Sceloporus s. siniferus from Chilpancingo region, Mexico, **Davis & Dixon**; from Arteaga, Mexico, ecology and general notes, **Duellman.**

Sceloporus spinosus caeruleopunctatus from the Chilpancingo region, Mexico, **Davis & Dixon**; *S. s. spinosus* from Cojumatlán, Mexico, ecology, general notes, **Duellman.**

Sceloporus stejnegeri from Chilpancingo region, Mexico, **Davis & Dixon.**

Sceloporus torquatus in the lava near San Juan Parangaricutiro, Mexico, **Burt**; swimming ability, **Tercafs (2)**; *S. t. torquatus* from Angahuan, Mexico, ecology, general notes, **Duellman.**

Sceloporus undulatus Bosc. in Latreille 1802 is the correct citation for this species and genus, **Banta (1)**; *S. u. consobrinus* from Brewster Co., Texas, **Axtell (5)**; distribution, Oklahoma, **McCoy (5)**; captured in a quadrat study on movement in Texas, **Milstead (6)**; behaviour, ecology and courtship, Big Bend region, Texas, **Minton**; *S. u. elongatus* taxonomy, Arizona, **Williams, K. L. (1)**; *S. u. erythrocheilus*, & *S. u. garmani* distribution, Oklahoma, **McCoy (5)**; *S. u. hyacinthinus* Columbiana Co., Ohio, **Adler (3)**; distribution, Oklahoma, **McCoy (5)**; Jackson Co., Illinois, photo., ecology, **Smith, P. W.**; *S. u. tristichus* taxonomy, Arizona, **Williams, K. L. (1)**; *S. u. undulatus* stomach contents, **Hamilton & Pollack**; *S. u. virgatus* femoral pores notched posteriorly; taxonomy, Arizona, **Williams, K. L. (1).**

Sceloporus utiformis from Arteaga, Mexico, ecology and general study, **Duellman.**

Tapaja Oken 1816, see under *Phrynosoma.*

Tropidurus semitaeniatus photograph, **Leenart, B. (1).**

Tropidurus torquatus swimming ability, **Tercafs (2).**

Uma notata photoperiodic response, **Mayhew.**

Urosaurus bicarinatus anonymorphus & *U. b. bicarinatus* from the pine-oak forests of Chilpancingo Region, Mexico, **Davis & Dixon;** *U. b. tuberculatus* Arteaga, Mexico, habits and ecology, **Duellman.**

Urosaurus gadovi from Acahuato, Mexico, habits and ecology, **Duellman.**

Urosaurus ornatus social activity including displays, push-ups, courtships, chasing, fighting, retreat and submission, **Carpenter & Grubitz (1);** time-motion study of a behaviour pattern, **Carpenter & Grubitz (2);** *U. o. schmidti* ecology, Big Bend region, Texas, **Minton;** *U. o. schotti* (= *linearis*) variation, *U. o. symmetricus* comments on status, & *U. o. wrighti*, from Arizona, **Williams, K. L. (1).**

Uta stansburiana eastward range extension to Oklahoma, **Carpenter, Cleveland, Talbot et al;** trapped in S.W. Texas, ecology, **Milstead (2);** *U. s. hesperis* fig., range, description and habits, Los Angeles, **Hill, H. R.;** *U. s. stejnegeri* deleted from Great Basin fauna, **Banta (4);** range, description and habits, Los Angeles, **Hill, H. R.;** ecology and behaviour, Big Bend region, Texas, **Minton;** population structure and reproduction, **Tinkle (2).**

LACERTIDAE

Acanthodactylus boskianus kept in vivaria, **Bustard (15).**

Acanthodactylus cantoris from Rajasthan desert, India, **Krishna & Dave.**

Acanthodactylus pardalis kept in vivaria, **Bustard (15).**

Algyroides nigropunctatus, Perama, Achilleion and Kalikiopulo Lagoon, Corfu, **Mertens (2);** statistical study, Black Sea region, **Stugren & Rădulescu.**

Eremias (*Ommaterias*) *arguta* figs., Roumania, ecology and distribution, **Fuhn & Vancea (1);** taxonomy, Danube delta, **Stugren (2);** statistical survey, Black Sea region, **Stugren & Rădulescu;** *E.* (*Ommaterias*) *arguta deserti* figs., Roumania, ecology and distribution, **Fuhn & Vancea (1);** ecological study in Rumania (Danube Delta region), **Fuhn & Vancea (2).**

Eremias lineo-ocellata body temperature, **Stebbins.**

Eremias lugubris, photo., S.W. Africa, in captivity and native state, **Hoesch (2).**

Eremias namaquensis body temperature, **Stebbins.**

Eremias velox photo., kept in vivaria, **Bustard (15);** figs., Roumania ecology and distribution, **Fuhn & Vancea (1).**

Lacerta agilis general note, **Coomans, R.;** from Richlieu; list of parasites, **Dollfus;** structure and development, hypophysial vascular system, **Enemar;** figs., embryonic pigment pattern and development of adult colouration, **Fioroni;** in the Orla river region, S. Germany, **König;** postembryonic multiplication of muscle fibres, **Lobyntsev;** development, evolution and ontogeny, **Matveyev;** *L.* [*stirpium*] *agilis* electron microscope study of ovarian follicles, **Porte & Zahnd;** from the Kalinin district, general ecology, **Shaposhnikov, Golovin, Sorokin & Tarakanov;** in the northern Prearal region, USSR, **Shilov;** study of histology of pineal (parietal) eye, **Streble;** statistical study, Black Sea area, **Stugren & Rădulescu;** reaction of muscle fibres under the influence of urea, **Ushakov & Krolenko;** range, Holland, **Wijngaarden;** *L. a. agilis* in Roumania ecology, systematics and distribution, **Fuhn & Vancea (1);** figs., key, in Poland, **Mlynarski (2);** *L. a. chersonensis* in Roumania, ecology and systematics, **Fuhn & Vancea (1);** Letea, Danube delta, taxonomy, **Stugren (2);** *L. a. exigua* thermoregulation, **Strelnikov;** from Letea, Danube delta, taxonomy, **Stugren (2).**

Lacerta calotes in Linné's house is *Calotes calotes*, **Deraniyagala (1).**

Lacerta crocodilus niloticus in Linné's house is probably a young *Crocodylus porosus*, **Deraniyagala (1).**

Lacerta dugesii in the Azores, **Ulfstrand.**

Lacerta erhardii statistical survey, Black Sea area, **Stugren & Rădulescu.**

Lacerta grisea Oken 1816, proposal to place the specific name on the Official Index of Rejected and Invalid Names due to invalidation of Oken's "Lehrbuch der Naturgeschichte," **Savage.**

Lacerta hispanica vaucheri from Morocco, **Bons.**

Lacerta lepida keeping in terraria, problems and general notes, **Bustard (15);** general notes, **Coomans, R.;** in copulation, photo., **Hoogmoed;** *L.* (*Gallotia*) *lepida* Daudin 1802, taxonomic revision, species studied, figs., **Peters, G.;** *L.* [*ocellata*] *lepida* respiratory mechanism and its regulation, **Serfaty & Peyraud;** *L. l. lepida*, Provence, general study, **Knoepffler, L.-P. (1);** photo., behaviour, **Wehrli;** *L. l. pater* from Morocco, **Bons.**

†*Lacerta maxima* **sp. nov.** p. 23 text-fig. 14, pl. 7, figs. 11, 12; pl. 8, fig. 13; pl. 9, fig. 15; Puerto de la Cruz, Tenerife Canary Islands, Pleistocene, **Bravo.**

Lacerta melisellensis pomoënsis melanic individuals, *L. melisellensis* colour variation on some Adriatic islands, uniformity on others, effect of isolation on subspecies development, studied in the Adriatic islands, **Radovanović (1) & (2).**

Lacerta muralis general note, **Coomans, R.;** from Richlieu, list of parasites, **Dollfus;** fig. 2, general study, Belgium, **Eeckhoudt;** *L.* (*Podarcis*) *muralis* regeneration of muscle motor plates, **Filogamo & Marchisio;** embryonic pigment pattern, development of adult colouration, **Fioroni;** *L.* (*Podarcis*) *muralis* in Roumania, ecology, **Fuhn & Vancea (1);** metabolic response to thyroxine dependent upon environmental temperature, **Maher;** statistical study, Black Sea area, **Stugren & Rădulescu;** behaviour in water, **Tercafs (2);** *L. m. brueggemanni* male returns to captivity after 3 years; general ecological notes and reproductive habits, **Cooper, J. S.;** proteic secretions of the epididymis, **Furieri;** *L.* (*Podarcis*) *muralis maculiventris* in Roumania, ecology, **Fuhn & Vancea (1);** *L. muralis maculiventris* synecology and species competition, Lake Veneta region, **Marcuzzi;** *L. m. merremia* Provence, general study, **Knoepffler, L.-P. (1);** *L. m. muralis*, Provence general study, **Knoepffler, L.-P. (1);** figs., key, distribution in Poland, **Mlynarski (2);** figs., systematics and ecology, Moldavia (Bicaz), Roumania, **Vancea.**

Lacerta perspicillata photo., from Morocco, **Bons.**

Lacerta ocellata see *L. lepida.*

Lacerta (*Zootoca*) *praticola* in Roumania, ecology, **Fuhn & Vancea (1);** statistical study, Black Sea area, **Stugren & Rădulescu;** *L. p. hungarica* figs. 1A, 2, systematic study from S.E. Europe, **Stugren (1);** *L.* (*Zootoca*) *praticola pontica* in Roumania, ecology, **Fuhn & Vancea (1);** *L. praticola pontica* fig. 1b & *L. p. praticola* fig. 1c, systematics, S.E. Europe, **Stugren (1).**

Lacerta saxicola monsters from parthenogenetic reproduction, **Darevskii (2);** 3 of 13 subsp. in the Caucasus are devoid of ♂'s and normally reproduce parthenogenetically, 2n = 36, parthenogenetic ♀'s have diploid

chromosome numbers, **Darevskii & Kulikowa;** statistical study, Black Sea area, **Stugren & Rădulescu;** study on egg batches, **Szczerbak;** *L. s. armeniaca* study of oogenesis, **Darevskii & Kulikowa;** *L. s. defilippii* of Transcaucasus represented in Armenia by bisexual and parthenogenetic forms, **Darevskii & Kulikowa.**

Lacerta sicula speciation in the Rovinj Archipelago, Mediterranean, **Bole, Brelih & Zei;** effect of temperature and CO_2 on respiration, **Nielsen, B.;** colour variation, Adriatic Is., **Radovanović (1) & (2);** *L. s. bolei* **subsp. nov.** p. 78, text-fig. 2;, Tovarež, Ljubljana, Yugoslavia, **Brelih;** *L. s. campestris* Provence, general study, **Knoepffler, L.-P. (1);** synecology and species competition, Lake Veneto region, **Marcuzzi;** photo. and notes, **Scheldeman;** *L. s. coerulea* ♀ and ♂ *L. s. sicula* breeding in terraria, **Reiss;** *L. s. gallensis* pl. 1; Gallo Maggiore, **Mertens (3);** *L. s. hadžii* **subsp. nov.** p. 85, text-fig. 5, Porer; Ljubljana, Yugoslavia, **Brelih;** *L. s. massinei* **subsp. nov.** p. 34, pl. 2, Rotonda, **Mertens (3);** *L. s. nikolici* **subsp. nov.** p. 76, text-fig. 3b, Gusti, Ljubljana, Yugoslavia, **Brelih;** *L. s. polenci* **subsp. nov.** p. 72, text-figs. 1, 3d, Zahodna Istra, Calbula, Yugoslavia, **Brelih;** *L. s. pretneri* **subsp. nov.** p. 82, text-fig. 4, Gustinja, Ljubljana, Yugoslavia, **Brelih;** *L. s. radovanovici* **subsp. nov.** p. 74, text-fig. 3c, Orada, Ljubljana, Yugoslavia, **Brelih;** *L. s. salfii* pl. 3, Scoglio di Vivaro, Gulf of Salerno, **Mertens (3);** *L. s. sicula* annual cycle of epididymis, **Galgano & d'Amore;** *L. s. sicula* ♂ and *L. s. coerulea* ♀ breeding in terraria, **Reiss;** *L. s. zeii* **subsp. nov.** p. 80, text-fig. 3a, Kal, Ljubljana, Yugoslavia, **Brelih.**

Lacerta simonyi, diet and fertility, **Stolk (6).**

Lacerta stirpium see *L. agilis.*

Lacerta (*Podarcis*) *taurica* in Roumania, ecology, **Fuhn & Vancea (1);** *L. taurica* statistical study, Black Sea area, **Stugren & Rădulescu;** study on egg batches, **Szczerbak;** *L. t. ionica* from Sidari, Analypsis and Kanoni, Corfu, **Mertens (2).**

Lacerta trilineata in Roumania, ecology, distribution, **Fuhn & Vancea (1);** statistical study, Black Sea area, **Stugren & Rădulescu;** *L. t. dobrogica* in Roumania, ecology, **Fuhn & Vancea (1);** *L. t. trilineata* from Perama and Achilleion, Corfu, **Mertens (2).**

Lacerta viridis photo., kept in terraria, problems and general notes, **Bustard (15);** general note, **Coomans, R.;** from Richlieu, parasites, **Dollfus;** regeneration of muscle motor plates, **Filogamo & Marchisio;** embryonic pigment pattern, development of adult colouration, **Fioroni;** orientation to an artificial sun, compass orientation and its biological importance, **Fischer, K.;** proteic secretions of the epididymis, **Furieri;** experimental study of ascending tracts in the spinal cord, **Goldby;** in the south of France, photo., **Hoogmoed;** from the Holocene of Hungary, **Jánossy;** presence of chitinase in the digestive tract, **Jeuniaux;** role of skin pigmentation, **Jovančić;** myology of pelvis and hind limbs, figs., **Kriegler;** effect of CO_2 and temperature on respiration, **Nielsen, B;** haemochromatosis, strong concentration in the cranial region, **Stolk (4);** statistical survey, Black Sea area, **Stugren & Rădulescu;** behaviour in water, **Tercafs (2);** *L. v. maior* myology of pelvis and hind limbs, figs., **Kriegler;** *L. v. meridionalis & L. v. viridis* in Roumania, ecology, general notes, **Fuhn & Vancea (1);** Provence, general note, **Knoepffler, L.-P. (1);** figs., key, distribution in Poland, **Młynarski.**

Lacerta vivipara survey of numbers at Portscatho, Cornwall, **Burrage;** general note, **Coomans, R.;** from Richlieu, list of parasites, **Dollfus;** development of genitalia, **Dufaure (1);** *L.* (*Zootoca*) *vivipara* action of sex hormones on the embryonic penis, **Dufaure (2);** *L. vivipara* records from N.W. Kent, **Edwards;** fig. 3, general study, Belgium, **Eeckhoudt;** embryonic pigment pattern, development of adult colouration, **Fioroni;** *L.* (*Zootoca*) *vivipara* in Roumania, ecology, **Fuhn & Vancea;** pituitary gland cytology during development, **Grignon, G. & M.;** *L. vivipara* in S. Limburg, Netherlands, **Horst;** in the Orla river region, S. Germany, **König;** tissue culture of an association between the ovary of *L. vivipara* and the testis of a chicken, **Lutz-Ostertag & Dufaure;** biotope and photo., **Meeuwen;** figs., key, in Poland, **Młynarski;** records from Dorset for 1960, **Prestt, I.;** from the Kalinin district, ecology, **Shaposhnikov, Golovin, Sorokin & Tarakanov;** histology of pineal eye, **Streble;** statistical survey, Black Sea area, **Stugren & Rădulescu;** variation, Roumania, figs., **Stugren & Vancea;** range in Holland, **Wijngaarden.**

Meroles reticulatus, photo., S. Africa, ecology in captivity and in the wild, **Hoesch (2).**

Nucras intertexta holubi photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2);** Vila Paiva de Andrada Mozambique, general notes and feeding habits, **Manaças (3);** *N. i. intertexta* photo., S.W. Africa, ecology in terraria and in the wild, **Hoesch (2).**

Ophisops elegans, figs., eyelid accretion, **Darevskii (3);** statistical survey, Black Sea area, **Stugren & Rădulescu.**

Ophisops occidentalis photo., Mergueb-Essiouane, Morocco, **Bons.**

†*Palaeolacerta* **gen. nov.** Lacertidae type species *P. bavariscus* **sp. nov.** p. 707, text-fig. 1, Upper Jurassic, Germany, **Cocude-Michel (2).**

Podarcis see *Lacerta.*

Psammodromus a. algirus from Itzere, Morocco, **Bons;** Provence, general study, **Knoepffler, L.-P. (1);** *P. algirus nollii* from Gada de Debdou, Morocco, **Bons.**

Psammodromus blanci photo., Mergueb-Essiouane, Morocco, **Bons.**

Psammodromus hispanicus ecology, vivarium conditions, **Bustard (15);** *P. h. edwarsianus*, Provence, general study, **Knoepffler, L.-P. (1).**

Scaptira suborbitalis body temperature, **Stebbins.**

Zootoca see *Lacerta.*

LANTHANOTIDAE

Lanthanotus see under HELODERMATIDAE.

†MOSASAURIDAE

Globidens belgicus figs. new to Holland, **Kruytzer.**

Globidens fraasi fig., Maastrichtian, **Kruytzer;** first record of genus from S. America—Brazil, Upper Cretaceous, **Price (1).**

Mosasaurus (*Leidon*) cf. *anceps* from the Maastrichtian, Brazil, **Price (1).**

Mosasaurus cf. *beaugei* Maastrichtian, Brazil, **Price (1).**

Mosasaurus horridus teeth marks found on an ammonite, Cretaceous, S. Dakota, **Kauffman & Kesling (2).**

PYGOPODIDAE

Pygopus lepidopodus curious breeding record from New South Wales, **Ormsby.**

SCINCIDAE

Scincidae, Rajasthan desert, India, **Krishna & Dave (2);** from Australia and their haematozoan parasites, **Mackerras.**

Ablepharus boutonii clarus **subsp. nov.** p. 177, text-fig. S. coast of W. Australia, Esperance area and Mondrain Island in the Recherche Archipelago, **Storr.**

Ablepharus kitaibelii distribution in Roumania, figs., ecology and systematics, **Fuhn & Vancea (1)**; Statistical survey, Black Sea area, **Stugren & Rădulescu**; *A. k. fitzingeri* in Roumania, ecology, systematics, **Fuhn & Vancea (1)**.

Ablepharus wahlbergii photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2)**.

Chalcides chalcides proteic secretions of the epididymis, **Furieri**; *C. c. striatus*, Provence general study, **Knoepffler, L.-P. (1)**.

Chalcides ocellatus photo., Debdou, Morocco, **Bons**; proteic secretions of the epididymis, **Furieri**; histology of the supra renals, **Gabe & Martoja**; photograph, **Leenart, B. (1)**; chromosome study, **Mendietta**; a less specialized skink found at the coast near Aden and generally in the Protectorate, **Popov**; *C. o. ocellatus* general ecological study plus photograph, **Anon (2)**; *C. o. subtypicus* photo., Debdou, Morocco, **Bons**; *C. o. tiligugu* photo., Debdou, Morocco, **Bons**; photo., ecology, general notes, **Scharf.**

Egernia bungana De Vis 1887 specific rank justified as *bungana* is sympatric with *E. major*, **Worrell (3)**.

Egernia cunninghami, photo., vivarium study, **Bustard, R. (3)**.

Egernia saxatilis intermedia **subsp. nov.** p. 96, pl. 2, figs. 2, 3, 5, Kanangra Walls, 3,400 ft., New South Wales, & *E. saxatilis saxatilis* **sp. & subsp. nov.** p. 96, pl. 2, figs. 1, 6; Warrumbungle Mountains, New South Wales, **Cogger.**

Eumeces factors influencing distribution and speciation, **Taylor, E. H.**

Eumeces altamirani, Apatzingán, Mexico, habits and ecology. **Duellman.**

Eumeces a. anthracinus from Allegany State Park ecological survey, **Stewart**; *E. a. pluvialis* ecology, general notes, E. Texas, **Webb & Packard.**

Eumeces brevilineatus from Brewster Co., Texas, **Axtell (5)**; behaviour and range, Big Bend region, Texas, **Minton.**

Eumeces brevirostris bilineatus distribution and taxonomy in Chihuahua and Durango, N.W. Mexico, **Legler & Webb (1).**

Eumeces callicephalus notes on eggs and young, **Cambell & Simmons**; taxonomy and distribution in N.W. Mexico, **Legler & Webb (1).**

Eumeces colimensis from Coalcomán, Mexico, habits and ecology, **Duellman.**

Eumeces copei from Asunción, Mexico, habits and ecology, **Duellman.**

Eumeces dugesi from Carapan, Mexico, habits and ecology, **Duellman.**

Eumeces fasciatus from Erie, Hamilton, Lake, Lawrence, Licking, Lorain, Sandusky, Seneca and Summit Co., Ohio, **Adler (3)**; new record from Seneca Co., 5 miles S. of Tiffin, Ohio, **Adler & Dennis**; vivarium study, **Bustard (12)**; now officially recorded from Hamilton Co., Ohio, **Collins & Haggard**; study of food contents of stomachs, **Hamilton & Pollack**; arboreal nest E. Texas, isolating mechanism between *fasciatus* and *laticeps* ?, behavioural patterns, **Kennedy (1)**; Monroe Co., photo., Illinois, ecology, variation and distribution, **Smith, P. W.**

Eumeces indubitus from Puerto Hondo, Mexico, habits and ecology, **Duellman.**

Eumeces inexpectatus study of stomach contents, **Hamilton & Pollack.**

Eumeces laticeps from Clark, Ross, Scioto, Vinton and Washington Co., Ohio, **Adler (3)**; stomach contents, **Hamilton & Pollack**; Coles Co., photo., Illinois ecology, variation and distribution, **Smith, P. W.**

Eumeces latiscutatus study of lymphoid tissue, **Kotani.**

Eumeces lynxe durangoensis [junior synonym of *E. l. belli*] distribution, N.W. Mexico, **Legler & Webb (1).**

Eumeces multivirgatus taxonomy and distribution in N.W. Mexico, **Legler & Webb (1)**; *E. m. epipleurotus* Cope—revived name for the two lined skink, synonymy and redescription of the type, **Axtell (3).**

Eumeces obsoletus from Brewster Co., Texas, **Axtell (5)**; photo., with young, vivarium study, **Bustard (12)**; Sangamon to Recent, Cragin Quarry, Kansas, **Hibbard & Taylor**; taxonomy and distribution in N.W. Mexico, **Legler & Webb (1)**; captured in a quadrat study on movement in Texas, **Milstead (6)**; behaviour and range, Big Bend region, Texas, **Minton**; annual growth zones, **Peabody.**

Eumeces ochoterenae in tropical forests of Chilpancingo region, Mexico, **Davis & Dixon.**

Eumeces parviauriculatus taxonomy and distribution in New Mexico, **Legler & Webb (1).**

Eumeces parvulus from El Ticuiz, Mexico, ecology and habits, **Duellman.**

Eumeces septentrionalis septentrionalis Barnes township Buena Vista Co., Iowa, **Christiansen.**

Eumeces skiltonianus, range, description, habitat, Los Angeles, **Hill, H. R.**

Eumeces tetragrammus Cuatro Cienegas, Coahuila, relict fauna of the Chihuahuan desert, **Milstead (3).**

Gongylus ocellatus histology of neural epithelium and cerebellar nuclei, **Rüdeberg.**

Leiolopisma see *Lygosoma.*

Lygosoma Gray here regarded as a subgenus with *Sphenomorphus* and *Leiolopisma* [also regarded as such by Smith (1937) and Loveridge (1948)] Mitchell (1953) makes *Leiolopisma* a genus, but Smith regards *Leiolopisma* as made up of *Siaphos* and *Hemiergis* and as a section of *Lygosoma*, **Worrell (3).**

Lygosoma assata taylori in tropical deciduous and pine-oak forests of Mexico, **Davis & Dixon.**

Lygosoma [*Leiolopisma*] *fuscum* temperature responses, **Wilhoft.**

Lygosoma indicum indicum scincoid, parapsidan, streptostylic and metakinetic skull, **Prasad (2).**

Lygosoma [*Sphenomorphus*] *jobiensis* Papua, frequency and general study, **Inger.**

Lygosoma laterale Hamilton & Vinton Co., Ohio, **Adler (3)**; stomach contents study, **Hamilton & Pollack**; one of the relict fauna from the Chihuahuan desert, **Milstead (3)**; new record, Old Hope furnace, Lake Hope State Park, Vinton Co., Ohio, **Seibert**; induction of limb regeneration by augmentation of the nerve supply, **Simpson.**

Lygosoma [*Sphenomorphus*] *melanopleurus* Papua, frequency and general study, **Inger.**

Lygosoma [*Sphenomorphus*] *palawanensis* **sp. nov.** p. 1, text-figs. 1, 2; Malabo Peak, S.W. of Iwahig, Palawan Island, Philippines, **Brown & Alcala (1).**

Lygosoma [*Leiolopisma*] *rhomboidalis* temperature responses, **Wilhoft.**

Lygosoma [*Sphenomorphus*] *stickeli* Papua, frequency and general study, **Inger.**

Mabuya brachypoda from tropical deciduous and Chaparral-oak forests of Mexico, **Davis & Dixon**; El Sabino, Mexico, ecology, **Duellman.**

Mabuya capensis from Loskop Dam Nature Reserve, S. Africa, **Brain (2)**; *M.* [*trivittata*] *capensis* kept in vivaria, **Bustard (1)**; vivarium study, **Bustard (12).**

Mabuya carinata heart structure, **Rastogi (1) & (2).**

Mabuya damarana photo., S.W. Africa, ecology in captivity and in the wild, **Hoesch (2)**; *M. d. rhodesiana* **subsp. nov.** p. 435, Changadzi River Bridge, 2,000 ft. S.E. Southern Rhodesia, **Broadley (5).**

Mabuya dissimilis streptostylic, parapsidan and metakinetic skull, **Prasad (1).**

Mabuya [*subrufa*] *homolocephala* kept in vivaria, **Bustard (1)**; vivarium study, **Bustard (12).**

Mabuya longiloba triebneri photo., S.W. Africa ecology in captivity and in the wild, **Hoesch (2).**

Mabuya macularia systematics, ecology and distribution in the desert of Rajasthan, **Dave**; fossorial habits, food and feeding habits in the Rajasthan desert, **Krishna & Dave (1).**

Mabuya multifasciata host of *Amblyomma helvolum* in Timor, **Cabrier da Silva.**

Mabuya quinquetaeniata as an exhibit in the Transvaal Museum, **Brain (1)**; from Fada and earlier African records of distribution, **Wake & Kluge**; *M. q. margaritifer* photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2)**; Nhantare River, Mozambique, general notes and feeding habits, **Manaças (3).**

Mabuya striata photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2)**; photo., vivarium study, **Bustard (12)**; photo., Albert National Park, Rutshuru, **Curry-Lindahl (2)**; body temperature, **Stebbins**; *M. s. striata* photo., S.W. Africa, ecology in captivity and in the wild, **Hoesch (2)**; from Inhassoro, Mozambique, general notes and feeding habits, **Manaças (3).**

Mabuya s. sulcata photos., S.W. African ecology in captivity and in the wild, **Hoesch (2).**

Mabuya varia from Loskop Dam Nature Reserve, S. Africa, **Brain (2)**; *M. v. varia* from Vila Paiva de Andrada Mozambique, general notes and feeding habits, **Manaças (3).**

Ophiomorus tridactylus fossorial habits, food and feeding habits in the Rajasthan desert, **Krishna & Dave (1).**

Riopa punctata polyploid cells in spermatogenesis, **Srivastava & Bhatnagar.**

Riopa sundevallii photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2)**; photo, S.W. Africa ecology in terraria and in the wild, **Hoesch (2)**; Vila Paiva de Andrada, Mozambique, general notes and feeding habits, **Manaças (3).**

Scincella assata taylori Arteaga, Mexico, ecology, **Duellman.**

Scincella laterale Jefferson Co., Miasouri, ecology, photo., Illinois distribution, **Smith, P. W.**

Scinci Oken 1816 (also spelled *Scincorum*) proposal to place this name on the Official Index of Rejected and Invalid Generic Names due to invalidation of Oken's "Lehrbuch der Naturgeschichte," **Savage.**

Scincus gallivasp Oken 1816 proposal to place the specific name on the Official Index of Rejected and Invalid Names due to invalidation of Oken's "Lehrbuch der Naturgeschichte," **Savage.**

Scincus mitranus associated with sand dunes in the Aden Protectorate, **Popov.**

Scincus richmondi **sp. nov.** p. 24, fig. 2, Al Hasa District, Jafura Desert, Saudi Arabia, **Haas (2).**

Sphenomorphus see *Lygosoma.*

Tiliqua gigas from New Guinea, general notes, **Menne (1).**

Tiliqua nigrolutea from New Guinea, general notes, **Menne (1)**; *T. nigrolutea* (Quoy & Gaimard) in captivity hybrids occur *T. nigrolutea* × *T. scincoides*, this would reduce *nigrolutea* to subspecific rank but the author does not agree as intermediates do not occur in the wild, **Worrell (3).**

Tiliqua rugosus photo., terrarium study, **Bustard (4)**; comparative study of blood coagulation, **Fantl**; mitochondria of the small intestine, **Stanbury.**

Tiliqua scincoides photo., terrarium study, **Bustard (4)**; comparative study of blood coagulation, **Fantl**; swimming ability, **Tercafs (2).**

Trachysaurus rugosus water metabolism in arid coastal regions of W. Australia, **Chew, R. M.**; scheme for blood coagulation mechanism, **Hackett**; myology of pelvis and hind limbs, figs., **Kriegler**; swimming ability, **Tercafs (2).**

SPHAERODACTYLIDAE *see under* GEKKONIDAE

TEIIDAE

Ameiva a. ameiva cover photo., general notes, **Wijffels.**

Ameiva bifrontata figs., embryonic pigment pattern and development of adult colouration, **Fioroni.**

Ameiva undulata dextra from Chilpancingo region of Mexico, **Davis & Dixon**; *A. u. hartwegi* ecological note from British Honduras, **Neill & Allen (1)**; *A. u. sinistra* Apatzingán Mexico, ecology, **Duellman.**

Bachia bresslaui from Brazil, **Vanzolini (2).**

Bachia cophias from Brazil, **Vanzolini (2).**

Bachia dorbignyi from Brazil, **Vanzolini (2).**

Bachia scolecoides **sp. nov.** p. 202 text-figs. 11–15; Rio Teles Pires, Mato Grosso, Brazil, **Vanzolini (2).**

Bachia tridactyla from Brazil, **Vanzolini (2).**

Cmedidophorus [sic] *sacki angusticeps* new record, Melinda Forestry Station, Stann Creek District, British Honduras, **Fugler.**

Cnemidophorus spp. from Mexico, ecological study, **Duellman**; relationship of species in W. Mexico, **Zweifel (1).**

Cnemidophorus d. deppei & *C. d. infernalis* from Mexico, **Davis & Dixon.**

Cnemidophorus gigas from Mexico, **Davis & Dixon.**

Cnemidophorus guttatus immutabilis from Mexico, **Davis & Dixon.**

Cnemidophorus inornatus of Brewster Co., Texas, **Axtell (5)**; ecology, trapped in S.W. Texas, **Milstead (2)**; *C. i. heptagrammus*, **subsp. nov.** p. 153, fig. 1C, Brewster Co., Texas, **Axtell (4)**; *C. i. inornatus* a general survey and a nomenclatorial revision of Mexican species, **Axtell (4).**

Cnemidophorus lacertoides rarest teiid in S. Brazil, Lake Emboába S.E. of Osório, **Milstead (5).**

Cnemidophorus perplexus with a bifurcate tail, **Forbes**; foraging habits, responses to heat, home range and breeding activities in Trans-Pecos, Texas, **Milstead (1)**; ecology, population study and behaviour, Big Bend region, Texas, **Minton.**

Cnemidophorus sacki foraging habits, responses to heat, home range and breeding activities in Trans-Pecos, Texas, **Milstead (1)**; captured in a quadrat study on

movement in Texas, **Milstead (6)**; *C. s. sacki* from Mexico, **Davis & Dixon**; *C. sacki semifasciatus* ecology, population study and behaviour, Big Bend region Texas, **Minton.**

Cnemidophorus sacki angusticeps see under *Cmedidophorus.*

Cnemidophorus sexlineatus study of volume and percentage of food eaten, **Hamilton & Pollack**; Late Pliocene to Recent, Cragin Quarry, Kansas, **Hibbard & Taylor**; *C. s. sexlineatus* photo., Tazewell Co., Illinois, ecology, **Smith, P. W.**

Cnemidophorus tessellatus type locality restricted to the junction of Fountain Creek and the Arkansas River, Pueblo Co., Colorado, **Maslin**; foraging habits, responses to heat, home range and breeding activities in Trans-Pecos, Texas, **Milstead (1)**; *C. tessellatus* favoured by drought over *C. sacki gularis* on the Stockton Plateau and over *C. s. exsanguis* in the Sierra Vieja but the drought favoured *C. s. semifasciatus* over *C. tessellatus* at La Mota Mountain, **Milstead (4)**; *C. t. grahami*, ecology, population study and behaviour, Big Bend region Texas, **Minton**; *C. t. stejnegeri*, & *C. t. tessellatus* range, description, habits and fig., Los Angeles, **Hill, H. R.**

Cnemidophorus tigris foraging habits, responses to heat, home range and breeding activities in Trans-Pecos, Texas, **Milstead (1)**; *C. t. aethiops* & *C. t. gracilis* review of diagnostic characters and ranges, Arizona, **Williams, K. L. (1)**; *C. t. marmoratus* of Brewster Co., Texas, **Axtell (5)**; ecology, population study and behaviour, Big Bend region Texas, **Minton**; *C. t. variolosus* general notes, Northern Mexico, **Webb (2).**

†*Dracaena colombiana* **sp. nov.** p. 4, text-figs. 2, 3, 4a, Late Miocene San Nicolás near Villavieja, Huila, Colombia, S. America, **Estes (2).**

Dracaena guianensis colouration, locomotion, behaviour and general ecology from Marajó Is., **Vanzolini (3).**

Euspondylus festae considered to belong to the genus *Neusticurus* relationship, status and distribution, **Uzzell.**

Euspondylus maculatus, compared morphologically with *Neusticurus festae*, *N. strangulatus* and other species of *Neusticurus*, **Uzzell.**

Euspondylus strangulatus considered to belong to the genus *Neusticurus*, a study of their status, relationships and distribution, **Uzzell.**

Neusticurus, considered to include *Euspondylus strangulatus* and *E. festae* from the Ecuadorian Andes, **Uzzell.**

Ophiognomon abendrothii from Peru, detailed description, **Vanzolini (4).**

Ophiognomon trisanale from Peru, detailed description, **Vanzolini (4).**

Pantodactylus schreibersi schreibersi smallest teiid in S. Brazil, habits and general ecology, **Milstead (5).**

Scolecosaurus trinitatis description and figs. of paratype which agree with that from Orinoco identified by Brongersma, **Vanzolini (1).**

Teius teyou teyou from Carrasco region, Uruguay, **Legrand**; most numerous teiid in S. Brazil, food and general ecology, **Milstead (5).**

Tupinambis nigropunctatus myology of pelvis and hind limbs, figs., **Kriegler.**

Tupinambis teguixin skull figured p. 223, **Gans (3)**; myology of pelvis and hind limbs, figs., **Kriegler**; largest teiid, most abundant in S. Brazil, ecology, **Milstead (5).**

†*Tupinambis* sp. Late Oligocene Coyaima, Colombia, S. America cf. *T. teguixin* Late Miocene, Huila, Colombia figs., **Estes (2).**

UROPLATIDAE *see under* GEKKONIDAE
VARANIDAE

Varanidae, Rajasthan desert, India, **Krishna & Dave (2)**; from Australia and their haematozoan parasites, **Mackerras.**

†*Chilingosaurus* **gen. nov.** pp. 116, 119; of varanidae type species *C. chingshankouensis* **sp. nov.** pp. 116, 119, pl., U. Cretaceous, Daliba Changchun, Chiling, **Young (10).**

Varanus albigularis annual growth zones, **Peabody**; *V. a. albigularis* photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2).**

Varanus exanthematicus apparent failure of tooth replacement, **Bellairs & Miles**; *V. e. albigularis* photo., ecology in captivity and in the wild in S.W. Africa, **Hoesch (2)**; Vila Machado-Estrada, Mozambique, general notes and feeding habits, **Manaças (3).**

Varanus flavescens incidence of opalinid infections, **Misra (2).**

Varanus gouldii apparent failure of tooth replacement, **Bellairs & Miles.**

Varanus griseus water metabolism in deserts, **Chew, R. M.**; ecology, systematics and distribution in the Desert of Rajasthan, **Dave**; supra renal histology, **Gabe & Martoja**; myology of pelvis and hind limbs, figs., **Kriegler**; fossorial, food and feeding habits in the Rajasthan desert, **Krishna & Dave (1)**; incidence of opalinid infections, **Misra (2)**; death from a liver disease in the "Jardin des Plantes," **Nouvel, Stazielle & Chauvier**; photo., common in dry areas of S. Arabia, **Popov**; study of the hypophysis structure and function, **Saint Girons, H. (3).**

Varanus indicus host to *Amblyomma helvolum* in Timor, **Cabrier da Silva**; death resulting from infection by *Entamoeba invadens*, **Jacobi.**

Varanus komodoensis host to *Amblyomma robinsoni*, *A. helvolum* and *Aponomma komodoense* in Timor, **Cabrier da Silva**; the largest lizard, general ecology and habits, **Coomans, R.**; photos., Komodo, Padar and Rintja Islands, Indonesia, general study, **Hoogerwerf**; island survival of a primitive reptile, conservation study, **Street.**

Varanus monitor arterial system, **Bhatnagar, S. P.**; breeding season, diet and habits, **Misra (1)**; incidence of opalinid infections, **Misra (2)**; atrioventricular bundle containing Purkinje fibres and cells in the heart, **Prakash & Sahai.**

Varanus nebulosus incidence of opalinid infections, **Misra (2).**

Varanus niloticus specimen discussed in an earlier paper (Brit. J. Herpetol. 2 1960: 189) proves to be *V. exanthematicus microstictus* or *V. e. albigularis*, **Bellairs & Miles**; from Loskop Dam Nature Reserve, S. Africa, **Brain (2)**; 3 photos, Lake Edouard, Vitshumbi, Albert National Park, **Curry-Lindahl (2)**; suprarenal histology, **Gabe & Martoja**; annual growth zones, **Peabody**; hypophysis structure and function, **Saint Girons, H. (3).**

Varanus prasinus coloured photo., ecology, New Guinea, **Schultze-Westrum.**

Varanus salvadorii coloured photo., ecology, New Guinea, **Schultze-Westrum.**

Varanus salvator host to *Amblyomma helvolum*, *A. javanense*, *Aponomma lucasi* and *A. trimaculatum* in Timor, **Cabrier da Silva**; death resulting from an infection of *Entamoeba invadens*, **Jacobi**; incidence of opalinid infections, **Misra (2)**; *V. s. andamanensis* photos., Andaman Islands, **Deraniyagala (3).**

Varanus semiremex notes and distribution in Western Australia, **Mertens (1).**

Varanus spenceri apparent failure of tooth replacement, **Bellairs & Miles.**

XANTUSIIDAE

Xantusia henshawi parietal eye structure, **Eakin & Westfall.**

Xantusia riversiana range, description, habitat, fig., Los Angeles, **Hill, H. R.**

Xantusia vigilis range, description and habitat, fig., Los Angeles, **Hill, H. R.**

XENOSAURIDAE

Crocodilurus lacertinus amoebiasis, **Steck;** swimming ability, **Tercafs (2).**

Xenosaurus rackhami sammartinensis **subsp. nov.** p. 128 f. 4, San Martin, Veracruz, Mexico, **Werler & Shannon.**

SUBORDER SERPENTES [OPHIDIA]

General Fossil.—From the Pleistocene, Florida, U.S.A., **Holman (2).**

General Recent.—Annotated list of snakes from Laos, **Deuve (2);** New records of snakes for S.W. Kansas, **Diener, R. A. (1);** Photographs of an Emerald Tree Boa and Bushmaster with an account of their nocturnal habits, **Dowling (2);** Feeding mechanism of snakes, **Gans (3);** Collection of 61 snakes representing 20 species from Singapore collected July 1960–January 1961, **Harman;** Smooth snakes in the Camberley area, general note, **Hayman;** Snakes of Rajasthan desert, India, **Krishna & Dave (2);** Snakes from Kivu, Africa, **Laurent (3);** Distribution of *Sceloporus undulatus* subspecies in Oklahoma, **McCoy (5);** General ecology, behaviour patterns, diet and notes on snakes, **Neill, S. R. St. J.;** Trapping and selling snakes in north Vietnam, **Petzold (1);** Annotated checklist, with keys, to the snakes of Hong Kong, **Romer, J. D.;** Snake venoms and neuromuscular transmission, **Russell, O'Brien & Inaba;** Checklist of the snakes of Nyasaland, races new to Nyasaland and locality records, descriptions and habits of snakes from Nyasaland, **Sweeney.**

ANILIIDAE

Aniliidae Stejneger 1907 (type genus *Anilius* Oken 1816) proposal to place Aniliidae on the Official List of Family-group Names, **Savage.**

Anilius Oken 1816 proposed validation and addition to the Official List of Generic Names; type sp. *Anguis scytale* Linnaeus 1758, **Savage.**

Anilius scytale intercostal arteries, **Brongersma (1);** from South America, rudimentary limbs, figs., **Mlynarski & Madej.**

Anomochilus weberi intercostal arteries, **Brongersma (1).**

Cylindrophis maculatus evolution of trunk musculature, **Auffenberg (2);** from Ceylon, rudimentary limbs, figs., **Mlynarski & Madej.**

Cylindrophis rufus intercostal arteries, **Brongersma (1);** from Java, rudimentary limbs, figs., **Mlynarski & Madej.**

BOIDAE

Boidae from Australia and their haematozoan parasites, Mackerras.

Boa canina swimming ability, **Tercafs (2).**

Boa [*Constrictor*] *constrictor* photo., vivarium study, **Bustard (7);** photo., on keeping boas as pets, **Bustard (18);** photo., from the Amazon river basin, **Lüling;** death from liver abcesses in the "Jardin des Plantes," **Nouvel, Stanielle & Chauvier;** longevity, size and weight; 24 years 9 months in captivity, **Reynolds;** amoebiasis, **Steck;** *B. c. imperator* Apatzingán Mexico, ecology, **Duellman.**

Calabaria reinhardti evolution of trunk musculature, **Auffenberg (2);** pl. 2, distribution and ecology, W. Africa, **Cansdale;** Fernando Poo Is., Gulf of Guinea, **Capocaccia (2);** southern forests, Cameroons, **Perret.**

Chondropython viridis young, coloured photo., ecology, New Guinea, **Schultze-Westrum.**

Constrictor see *Boa.*

Enygrus bibroni australis notes and photographs, **Schweizer.**

Epicrates striatus, on keeping boas in vivaria, photo., **Bustard (18);** amoebiasis, **Steck.**

Eryx conicus colouration, general habits and behaviour, **Adiyodi (1).**

Eryx jaculus figs., Roumania, ecology and distribution, **Fuhn & Vancea (1);** structure and function of hypophysis, **Saint Girons, H. (3);** Black Sea area, statistical survey, **Stugren & Rădulescu;** *E. j. turcicus* fig., Roumania, ecology and distribution, **Fuhn & Vancea (1);** Corfu, **Mertens (2).**

Eryx johni evolution of trunk musculature, **Auffenberg (2);** amoebiasis, **Steck;** swimming ability, **Tercafs (2).**

*Eryx muller*i pl. 2 distribution and ecology, W. Africa, **Cansdale;** *E. m. muelleri* Cameroons, **Perret.**

Eunectes murinus feeding, shedding and growth rates, **Barton & Allen;** size, growth rate and weight, photo. and graph, **Dowling (4);** death from amoebiasis, **Jacobi;** from the Amazon river basin, **Lüling;** 4 photos., general ecology, adaptation to captivity and problems of rearing, **Staedeli.**

Eunectes notaeus cured of amoebiasis, **Jacobi.**

†*Gigantophis garstini* Eocene, Gebel Coquin, Libya, **Hoffstetter (5).**

Liasis amethistinus (Schneider), synonyms: *Boa amethistinus* Schneider 1801, *Liasis amethistinus kinghorni* Stull 1933, **Worrell (3).**

Lichanura roseofusca roseofusca fig., range, description, habits, Los Angeles, **Hill, H. R.**

Loxocemus bicolor Apatzingán, Mexico, ecology, **Duellman.**

†*Madtsoia madagascariensis* **sp. nov.** p. 152, text-figs. 2, 3; Cretaceous, Marovoay, S.E. Majunga, Madagascar, **Hoffstetter (4).**

Morelia spilotes spilotes (Lacépède) **nom. nov.** pro. *Coluber spilotus* Lacépède, **Worrell (3);** *M. s. variegata* thermoregulatory behaviour, photos., incubation of eggs, **Cogger & Holmes;** precipitating antibodies against parasitic nematodes, **Timourian, Dobson & Sprent;** *M. spilotes variegata* Gray **nom. nov.** pro. *M. variegata* Gray subspecifically distinct due to geographical range differences; *arges* (*argus*) Linnaeus "Africa" 1758 rejected on the same grounds as Boulenger 1893 plus date and doubtful locality, **Worrell (3).**

Python amethystinus data on size attained, Pittsburg Zoo, **Dowling (4).**

Python molurus feeding, shedding and growth rates when captive, **Barton & Allen;** data on size attained,

Pittsburg zoo, **Dowling (4)**; figs., embryonic pigment pattern and development of adult colouration, **Fioroni**; *P. m. bivittatus* 230 cm. long in N. Vietnam, **Tien**; *P. m. morulus* skull, osteology studies, **Jain (2)**.

Python regius pl. 1, ecology and distribution, West Africa, **Cansdale**; histology of macrothyrocytes, **Gabe**; from the Savanna, Cameroons, **Perret**.

Python reticulatus feeding, shedding and growth rates in captivity, **Barton & Allen**; host to *Amblyomma helvolum* and *Aponomma barbouri* in Timor, **Cabrier da Silva**; at Pittsburg Zoo, 28½ feet long in 1956, still growing at the rate of 10 inches a year, photo and graph, **Dowling (4)**; death as a result of enteritis, caused by *Salmonella*, **Fiennes**; deaths from liver degeneration due to bile retention; in the "Jardin des Plantes," **Nouvel, Staziellе & Chauvier**.

Python sebae, feeding, shedding and growth rates when captive, **Barton & Allen**; spermatogenesis and testes structure, **Boisson**; Abercorn and Kaputa, N. Rhodesia, **Broadley & Pitman**; from the Chirinda forest, Mount Selinda, Southern Rhodesia, **Bruggen (2)**; pl 1, distribution and ecology, W. Africa, **Cansdale**; data on size attained, Pittsburg Zoo, **Dowling (4)**; Vila Paiva de Andrada Mozambique, general notes and feeding habits, **Manaças (3)**; death from liver degeneration due to bile retention in the "Jardin des Plantes," **Nouvel, Staziellе & Chauvier**; from Savanna, Cameroons, **Perret**; photo., poised to strike, **Sweeney**; general notes in captivity, diet, behaviour and moulting, **Wilkins**.

Tropidophis maculatus evolution of trunk musculature, **Auffenberg (2)**.

COLUBRIDAE

Colubridae from Australia and their haematozoan parasites, **Mackerras**.

Alsophis portoricensis biological implications of the enzymatic constitution of saliva, **Hegeman**.

Amphiesmoides **gen. nov.** p. 4 for *Tropidonotus ornaticeps* Werner 1924, N. Hainan, taxonomy and nomenclature, **Malnate**.

Aparallactus capensis punctatolineatus Abercorn & Kasama, N. Rhodesia, **Broadley & Pitman**.

Aparallactus lunulatus nigricollaris new to Cameroons, **Perret**.

Aparallactus m. modestus from Cameroons, **Perret**.

Arizona elegans arenicola **nom. nov.** pro. *A. e. arizonae*, **Dixon (3)**; *A. e. australis* **subsp. nov.** p. 1, text-fig. 1, 21 m. S.W. Loreto, San Luis Potosí, Mexico, **Williams, Chrapliwy & Smith**; *A. e. elegans* ecology, Big Bend region, Texas, **Minton**; *A. e. expolita* from the state of Aquascalientes, Mexico, **Banta & Leviton (2)**; *A. e. occidentalis* range, description, habits and fig., Los Angeles, **Hill, H. R.**

Atractus badius from Venezuela, **Roze.**

Atractus duidensis **sp. nov.** p. 110, Cumbre del Cerro Duida, Territorio Federal Amazonas at 2,050 m., Venezuela, **Roze.**

Atractus elaps from Venezuela, **Roze.**

Atractus erythromelas from Venezuela, **Roze.**

Atractus fuliginosus from Venezuela, **Roze.**

Atractus insipidus **sp. nov.** p. 106, R. Uraricapará, Venezuela-Brazil border, **Roze.**

Atractus lancinii **sp. nov.** p. 112, El Junquito, Distrito Federal at 1,900 m., Venezuela, **Roze.**

Atractus major from Venezuela, **Roze.**

Atractus riveroi **sp. nov.** p. 114 Cerro Duida, Territorio Federal Amazonas, Venezuela, **Roze.**

Atractus steyermarki from Venezuela, **Roze.**

Atractus trilineatus from Venezuela, **Roze.**

Atractus univittatus from Venezuela, **Roze.**

Atractus ventrimaculatus from Venezuela, **Roze.**

Atractus vittatus from Venezuela, **Roze.**

Boaedon fuliginosus eaten by file snakes, **Broadley (1)**; from the Cameroons, **Perret**; *B. f. fuliginosus* Abercorn, Northern Rhodesia, **Broadley & Pitman.**

Boaedon lineatus pl. 5, distribution and ecology, W. Africa, **Cansdale**; 3 ft. 6 in. long, diet and habits in Uganda, **Temple-Perkins**; *B. l. bedriagai* Principe, & S. Tomé Is., Gulf of Guinea, **Capocaccia (2)**; *B. l. lineatus* from the Cameroons, **Perret.**

Boaedon olivaceus from the Cameroons, **Perret.**

Boaedon virgatus pl. 5, ecology and distribution, W. Africa, **Cansdale**; from the Cameroons, **Perret.**

Boiga blandingii pl. 9 ecology and distribution, W. Africa, **Cansdale**; eating bats found in roofs, **Jones, T.**; from the Cameroons, **Perret**; feeding on bats, and other general habits and remarks, **Rosevear (2).**

Boiga dendrophila host to *Amblyomma helvolum* in Timor, **Cabrier da Silva.**

Boiga irregularis irregularis (Merrem) synonymy, **Worrell (3).**

Boiga pulverulenta photo., Cameroons, **Perret.**

Bothrolycus ater Cameroons, **Perret.**

Bothropthalmus lineatus pl. 3 distribution and ecology, W. Africa, **Cansdale**; Cameroons, **Perret.**

Calamelaps unicolor pl. 8, ecology and distribution, W. Africa, **Cansdale**; *C. u. miolepis* Abercorn and Lake Chisi, N. Rhodesia, **Broadley & Pitman**; *C. u. polylepsis* Mambone, Mozambique, general notes and feeding habits, **Manaças (3).**

Carphophis amoenus helenae of Lawrence Co., Ohio, **Adler (3)**; new record Lawrence Co., Lake Vesuvius, Ohio, **Adler & Dennis**; Union Co., photo., ecology and distribution, Illinois, **Smith, P. W.**; *C. a. amoenus*, photo., ankylosis and xanthism, **Simmons & Stine.**

Cemophora doliata Calhoun Co., Florida, photo., ecology, Illinois distribution, **Smith, P. W.**

Chlorosoma see *Philodryas.*

Coelopeltis see *Malpolon.*

†*Coluber acuminatus* systematics from Poland, **Młynarski (1).**

Coluber ahaetulla small specimen in Linné's house is *Ahaetulla nasuta nasuta*, so also is his large *C. ahaetulla*, **Deraniyagala (1).**

Coluber arizonae Boulenger is a replacement name for *Arizona elegans* Kennicott so *A. elegans arenicola* **nom. nov.** proposed for *A. e. arizonae*, Dixon 1949, **Dixon (3).**

Coluber cerastes (type-sp. of *Cerastes* Wagler 1830) proposal to place the specific name *cerastes* Linnaeus 1758 on the Official List, **Schmidt, Pope & Loveridge.**

Coluber constrictor, of Allen and Trumbell Co., Ohio, **Adler (3)**; figs., ecology and distribution, Roumania, **Fuhn & Vancea (1)**; *C. c. flaviventris* × *priapus* Union Co., Illinois, photo, ecology, habits and variation, **Smith, P. W.**; *C. c. constrictor foxi* new record from Lockwood, Bloomfield Twp., Trumbull Co., Ohio, **Kuhns (2)**; new

record Allen Co., Westminster, Ohio, **Adler & Dennis**; *C. c. mormon* fig., range, description, habits, Los Angeles, **Hill, H. R.**; *C. c. stejnegerianus* relict fauna from the Chihuahuan desert, **Milstead (3)**; general notes, northern Mexico, **Webb (2)**.

Coluber dipsas Oken 1816 proposal to place the specific name on the Official Index of Rejected and Invalid Names due to the invalidation of Oken's " Lehrbuch der Naturgeschichte," **Savage**.

Coluber flagellum frenatus range, description and habits, Los Angeles, **Hill, H. R.**

Coluber gemonensis from Perama, Corfu, **Mertens (2)**; *C. g. caspius*, Black Sea region, **Valkanov**.

Coluber hippocrepis young born in terraria, **Sievers**.

Coluber jugularis figs., ecology and distribution, Roumania, **Fuhn & Vancea (1)**; Black Sea area, statistical survey, **Stugren & Rădulescu**; *C. j. caspius* ecology and distribution, Roumania, **Fuhn & Vancea (1)**; from Perama, Corfu, **Mertens (2)**.

Coluber lateralis fig., range, description, habits, Los Angeles, **Hill, H. R.**

†*Coluber lobsingensis* **sp. nov.** p. 27, pl. 3, figs. 14, 15, Last Interglacial period, Lobsing near Neustadt/Donau, **Heller (3)**.

Coluber melanurus, anatomical study, **Bergman**.

Coluber mycterizans in Linné's house is a young *Ahaetulla pulverulenta pulverulenta*, **Deraniyagala (1)**.

Coluber najadum Black Sea area, statistical study, **Stugren & Rădulescu**; *C. n. dahlii* from Perama, Corfu, **Mertens (2)**.

Coluber oxycephalus host to *Amblyomma helvolum*, Timor, **Cabrier da Silva**.

Coluber radiatus, anatomical study, **Bergman**.

Coluber trimeresurus Oken 1816, proposal to place the specific name on the Official Index of Rejected and Invalid Names due to the invalidation of Oken's " Lehrbuch der Naturgeschichte," **Savage**.

†*Coluber* cf. *viridiflavus* from the Pliocene, Węze near Dzialoszyn, Poland, systematics, **Młynarski (1)**; *C. v. carbonarius* Pliocene, Poland systematics, **Młynarski (1)**.

Coluber v. viridiflavus, Provence, general study, **Knoepffler, L.-P. (1)**.

[*Coluber*] *Zamenis viridiflavus viridiflavus* effect of drugs on heart physiology, **Acolat & Provost**.

Coniophanes fissidens dispersus from Arteaga, Mexico, ecology, **Duellman**.

Coniophanes l. lateritius from Arteaga, Mexico, ecology, **Duellman**.

Conophis concolor text-fig. 3, ecological survey and range extension in British Honduras, **Neill & Allen (1)**.

Conophis vittatus vittatus Arteaga, Mexico, ecology, **Duellman**.

Conopsis biserialis, from Capácuaro, Mexico, ecology, **Duellman**.

Conopsis nasus from Carapan, Mexico, ecology, **Duellman**; *C. n. labialis* **subsp. nov.** p. 15, text-figs. 2–6, Sierra Madre Occidental of S.W. Chihuahua, Mexico, **Tanner**.

Coronella austriaca keeping in vivaria, general ecological notes, **Bustard (14)**; in the vicinity of Richelieu, study of parasites, **Dollfus**; fig. 5, general notes, Belgium, **Eeckhoudt**; in S. Limburg, Netherlands, **Horst**; Orla river region, S. Germany, **König**; protein and RNA content of stomach gland cells, **Romanini (2)**; from the Kalinin district, general ecology, **Shaposhnikov, Golovin, Sorokin & Tarakanov**; young born in terraria, **Sievers**; Black Sea area, statistical survey, **Stugren & Rădulescu**; swimming ability, **Tercafs (2)**; *C. a. austriaca* figs., Roumania ecology and distribution, **Fuhn & Vancea (1)**; figs., key, distribution in Poland, **Młynarski (2)**; in Austria, notes and photo., **Sochurek**; *C. a. fitzingerii*, Provence, general study, **Knoepffler, L.-P. (1)**.

†*Coronella austriaca* systematic study, Pleistocene, Europe, **Młynarski (1)**.

Coronella girondica 860 mm. total length (tail 135 mm.) from Auch (Gers.), **Duguy**; Provence, general study, **Knoepffler, L.-P. (1)**.

Crotaphopeltis hotamboeia preyed on by file snakes, **Broadley (1)**; *C. h. hotamboeia* Abercorn, N. Rhodesia, **Broadley & Pitman**.

Cynodontophis notatus aemulans photo., & *C. n. notatus* from the Cameroons, **Perret**.

Dasypeltis feeding mechanism, with photographs, **Shaw (1)**.

Dasypeltis fasciata mimicry and feeding habits, **Gans (9)**.

Dasypeltis inornata mimicry and feeding habits, **Gans (9)**.

Dasypeltis medici mimicry and feeding habits, **Gans (9)**.

Dasypeltis palmarum mimicry and feeding habits, **Gans (9)**.

Dasypeltis scabra Abercorn and Mukupa, N. Rhodesia, **Broadley & Pitman**; pl. 5, distribution and ecology, W. Africa, **Cansdale**; photo., Kivu, Ngesho, Albert National Park, **Curry-Lindahl (2)**; mimicry and feeding habits, **Gans (9)**; feeding habit, and general notes, **Temple-Perkins**.

Dendrelaphis Boulenger = *Ahaetulla* Gray; according to Loveridge (1955) in a letter to Slater, **Worrell (3)**.

Dendrelaphis caudolineatus luzonensis **subsp. nov.** p. 1, Los Baños, Laguna Province, Luzon Island, Philippine Islands, **Leviton (1)**.

Dendrolycus e. elapoides Buéa, Cameroons, **Perret**.

Diadophis amabilis amabilis fig., range, description, habits, Los Angeles, **Hill, H. R.**

Diadophis dugesi, Morelia, Mexico, ecology, **Duellman**.

Diadophis punctatus arnyi Stockton Plateau, Independence Creek, Chihuahuan desert relict fauna, **Milstead (3)**; *D. p. edwardsi* of Columbiana, Licking, Noble, Perry & Richland Co., Ohio, **Adler (3)**; new records Licking Co., and Noble Co., Ohio, **Adler & Dennis**; photo., Effingham Co., Illinois, habits, variation and distribution, **Smith, P. W.**; from Allegany State Park, **Stewart**.

Diadophis regalis blanchardi ecology, Big Bend region Texas, **Minton**.

Dinodon orientale, observations on the Miura Peninsula, feeding habits, **Shibata**.

Dipsadoboa elongata elongata new record for Musola, Fernando Poo Is., Gulf of Guinea, **Capocaccia (2)**.

Dipsadoboa shrevei Abercorn and Mambwe, N. Rhodesia, **Broadley & Pitman**.

Dipsas turgidus feeding habits, photographs, **Stettler**.

Dispholidus typus from the Chirinda forest, Mount Selinda, Southern Rhodesia, **Bruggen (2)**; pl. 9, ecology and distribution W. Africa, **Cansdale**; photos., habits and general ecological study, **Temple-Perkins**; *D. t. kivuensis* Abercorn, Kaputa and Nsama, N. Rhodesia, **Broadley & Pitman**.

Dromophis lineatus Abercorn, Bulaya, Mukupa and Mweru-wa-Ntipa, N. Rhodesia, **Broadley & Pitman.**

Dryadophis melanolomus stuarti Coahuayana, Mexico, ecology, **Duellman.**

Drymarchon corais corais death from abcesses of the digestive system, " Jardin des Plantes," **Nouvel, Staxielle & Chauvier;** *D. c. rubidus* Apatzingán, Mexico ecology, **Duellman;** El Dorado, Sinaloa, Mexico, **Fugler & Dixon.**

†*Drymarchon corais* vertebrae, Pleistocene, Florida, U.S.A., **Holman (1);** *Drymarchon* cf. *corais couperi* Pleistocene, Europe, **Mlynarski (1).**

Drymobius margaritiferus fistulosus Apatzingán, Mexico ecology, **Duellman.**

Duberria lutrix basilewskyi **subsp. nov.** p. 334, Ngorongoro, E. Africa, **Skelton-Bourgeois (1);** *D. l. shirana* Abercorn new to N. Rhodesia, **Broadley & Pitman.**

Eirenis arabica **sp. nov.** p. 20, fig. 1, Al Hasa District, Abqaiq, Saudi Arabia, **Haas (2).**

†*Elaphe* sp. aff. *climacophora* systematics, Europe, Quaternary and present day distribution, **Mlynarski (1).**

†*Elaphe conspicillata* systematics, Europe, Quaternary and present day distribution, **Mlynarski (1).**

Elaphe dione, statistical survey, Black Sea area, **Stugren & Rădulescu.**

Elaphe guttata emoryi ecology, Big Bend region, Texas, **Minton;** Reynolds Co., Missouri, photos., habits, variation and distribution, **Smith, P. W.**

†*Elaphe lobsingensis*, systematic study, Europe, Quaternary and present day distribution, **Mlynarski (1).**

Elaphe longissima figs., embryonic pigment pattern and development of adult colouration, **Fioroni;** histology of the suprarenals, **Gabe & Martoja;** photo., ecology, general notes, **Molle (4);** Montpellier, distribution, **Petit & Knoepffler;** structure and function of hypophysis, **Saint Girons, H. (3);** statistical survey, Black Sea area, **Stugren & Rădulescu;** *E. l. longissima* figs., ecology and distribution, Roumania, **Fuhn & Vancea (1);** Provence, general study, **Knoepffler, L.-P. (1);** figs., key, distribution in Poland, **Mlynarski (2);** in Austria, photo. and notes, **Sochurek.**

†*Elaphe longissima* systematics, Europe Quaternary and present day distribution, **Mlynarski (1);** Quaternary, Giebultów, R. Prądnik, Poland, **Mlynarski (3).**

Elaphe obsoleta bairdi ecology, Big Bend region, Texas, **Minton;** general notes, northern Mexico, **Webb (2);** *E. o. obsoleta* of Richland Co., Ohio, **Adler (3);** albino from Hamilton Co., Ohio, **Collins & Haggard;** Cumberland Co., and Union Co., Illinois, habits, variation and distribution, **Smith, P. W.;** *E. o. spiloides* simultaneous constriction habit, **Jackson;** Pope Co., Illinois, habits, variation and distribution, **Smith, P. W.**

Elaphe quadrivirgata growth formulae, **Fukada;** morphological and cytochemical studies on erythrocytes, **Shinagawa.**

†*Elaphe* sp. aff. *quadrivirgata* systematics, Europe, Quaternary and present day distribution, **Mlynarski (1).**

Elaphe quatuorlineata, figs., ecology and distribution, Roumania, **Fuhn & Vancea (1);** in the northern Prearal region, U.S.S.R., **Shilov;** statistical survey, Black Sea area, **Stugren & Rădulescu;** *E. q. praematura* Werner 1930 is a synonym of *E. q. muenteri* Bedriaga 1882; general study and taxonomy of *Elaphe* from the Cyclades, **Buchholz;** *E. q. quatuorlineata* Perama, Corfu, **Mertens (2);** *E. q. sauromates* figs., ecology and distribution, Roumania, **Fuhn & Vancea (1).**

Elaphe scalaris histology of the supra renals, **Gabe & Martoja;** Provence, general study, **Knoepffler, L.-P. (1).**

Elaphe situla from Corfu, **Mertens (2);** statistical survey, Black Sea area, **Stugren & Rădulescu.**

†*Elaphe situla* systematics, Europe, Quaternary and present day distribution, **Mlynarski (1).**

Elaphe subocularis ecology, Big Bend region, Texas, **Minton;** general notes, northern Mexico, **Webb (2).**

Elaphe triaspis intermedia Chupio, Mexico, ecology, **Duellman;** general notes, northern Mexico, **Webb (2).**

Elaphe vulpina vulpina, Newell township, Buena Vista Co., Iowa, **Christiansen;** Ford Co., Illinois, habits, variation and distribution, **Smith, P. W.**

Enulius unicolor Coalcomán, Mexico, ecology, **Duellman.**

Eridiphas slevini from Cerralvo Island, Mexico, a general note, **Soulé.**

Farancia abacura reinwardti, Jackson Co., Illinois, photo., habits, variation and distribution, **Smith, P. W.**

Ficimia cana, extension of range to Matehuala, San Luis Potosi, Mexico, **Licht & Gehlbach;** additional records from El Calabazal, Zacatecas, Mexico, and Brewster Co., Texas, **McCoy (2);** ecology, Big Bend region, Texas, **Minton.**

Ficimia p. publia ecological note from British Honduras, **Neill & Allen (1).**

Gastropyxis principis, Principe Is., Gulf of Guinea, **Capocaccia (2).**

Gastropyxis smaragdina pl. 5, distribution and ecology, W. Africa, **Cansdale.**

Geodipsas depressiceps depressiceps Fernando Poo Is., Gulf of Guinea, **Capocaccia (2).**

Geophis dugesi, Carapan, Mexico, ecology, **Duellman.**

Geophis incomptus Dos Aquas, Mexico, ecology, **Duellman.**

Geophis maculiferus Tzitzio, Mexico, ecology, **Duellman.**

Geophis nigrocinctus Dos Aguas, Mexico, ecology, **Duellman.**

Geophis petersi Cheran, Mexico, ecology, **Duellman.**

Geophis tarascae Uruapan, Mexico, ecology, **Duellman.**

Grayia ornata Stanley Pool and Mobange, Congo, **Skelton-Bourgeois (2).**

Grayia smythii pl. 4, distribution and ecology, W. Africa, **Cansdale.**

Gyalopion canum general notes, second specimen to be recorded from Mexico, **Webb (2).**

Gyalopion atavus **sp. nov.** p. 2, figs. 1–3, Zacatecas State, Mexico, **Leviton & Banta.**

[*Haldea*] *Virginia valeriae elegans* photo., Union Co., Illinois, habits, ecology and distribution, **Smith, P. W.;** northerly range extension in Indiana, **Westing;** *Haldea v. valeriae* notes on two large broods, **Groves.**

Hapsidophrys lineata pl. 5, distribution and ecology, W. Africa, **Cansdale.**

Hemirhagerrhis nototaenia nototaenia Abercorn, N. Rhodesia, **Broadley & Pitman.**

Herpeton Oken 1816 proposal to place this name on the Official Index of Rejected and Invalid Generic Names due to invalidation of Oken's " Lehrbuch der Naturgeschichte," **Savage.**

Heterodon nasicus kennerlyi ecology, Big Bend region, Texas, **Minton**; *H. n. nasicus*, new record, Kismet, Seward Co., Kansas, **Diener, R. A.** (1); Henderson Co., Illinois, photos., habits and distribution, **Smith, P. W.**

Heterodon platyrhinos, of Gallia, Meigs, Monroe, Perry and Richland Co., Ohio, **Adler** (3); new records, Gallia and Meigs Co., Ohio, **Adler & Dennis**; analysis of clines and geographic variation, **Edgren**; Lee Co., Illinois, photo., habits and distribution, **Smith, P. W.**

†*Heterodon plionasicus*, Pliocene, Kansas, **Mlynarski** (1).

Heterodon simus 'feigning death' as defensive behaviour, **Myers & Arata.**

Holarchus [*Oligodon*] *taeniatus* structure of testes and spermatogenesis, **Boisson.**

Homalopsis buccatus intercostal arteries, **Brongersma** (1); failure in rearing terraria-born young, **Sievers.**

Hydraethiops laevis, Ngaoundéré, Cameroons, **Perret.**

Hydraethiops melanogaster Ngaoundéré, Cameroons, **Perret.**

Hypsiglena torquata ecology, Big Bend region, Texas, **Minton**; *H. t. nuchalata* new food item *Anniella p. pulchra* from California, **Kuhns** (1); *H. t. ochrorhyncha* Tupátaro, Mexico, ecology, **Duellman**; range, description, habits and fig., Los Angeles, **Hill, H. R.**; captured in a quadrat study on movement in Texas, **Milstead** (6); *H. t. torquata* Capirio, Mexico, ecology, **Duellman**; El Dorado, Sinaloa, Mexico, **Fugler & Dixon.**

Imantodes gemmistratus gracillimus La Orilla, Mexico, ecology, **Duellman**; *I. g. latistratus* El Sabino, Mexico, ecology, **Duellman.**

Lampropeltis alterna ecology, Big Bend region, Texas, **Minton.**

Lampropeltis c. calligaster Sangamon Co., Illinois, photos., ecology and variation, **Smith, P. W.**; *L. c. rhombomaculata* distribution in Maryland, **Cooper, J. E.** (1).

Lampropeltis doliata Coalcomán, Mexico, ecology, **Duellman**; *L. d. blanchardi* general ecology, habits, British Honduras, **Neill & Allen** (1); *L. d. doliata* notes on eggs and young, **Palmer, W. M.**; *L. d. micropholis* experimental ulcerative stomatitis, **Page**; *L. d. polyzona* text-fig. 4, general ecological note on habits in British Honduras, **Neill & Allen** (1); *L. d. triangulum* Barnes township, Buena Vista Co., Iowa, **Christiansen**; collected from Hamilton Co., Ohio, **Collins & Haggard**; from Allegany State Park, **Stewart.**

Lampropeltis getulus californiae, range, description, habits and figs., Los Angeles, **Hill, H. R.**; experimental ulcerative stomatitis [mouth rot], **Page**; *L. g. holbrooki* Randolph Co., Illinois, ecology and variation, **Smith, P. W.**; *L. g. niger* of Meigs Co., Ohio, **Adler** (3); new record Meigs Co., Middleport, Ohio, **Adler & Dennis**; from Blue Creek, Adams Co., Ohio, measures 47 ins. [previous record 45½ ins.], **Magee**; Alexander Co., Illinois, ecology and variation, **Smith, P. W.**; *L. g. splendida* ecology, Big Bend region, Texas, **Minton.**

Lampropeltis greeri **sp. nov.** p. 326 text-fig. 1 (photo.) Rancho Santa Barbara (Weicher Ranch), 29 miles W.S.W. of Ciudad Durango, Durango, Mexico, **Webb** (1).

Lampropeltis multicincta range, description, habits and figs., Los Angeles, **Hill, H. R.**

Lampropeltis ruthveni Morelia, Mexico ecology, **Duellman.**

Lampropeltis thayeri photo., dorsal and ventral view, from Miquihuana, Tamaulipas, Mexico, evolution of the *mexicana* group and inter-relationships of the group, **Webb** (1).

Lampropeltis triangulum syspila Union Co., Illinois, ecology and variation, **Smith, P. W.**; *L. t. triangulum* Lake Co., Illinois, ecology and variation, **Smith, P. W.**

Leimadophis poecilogyrus figs., embryonic pigment pattern, and development of adult colouration, **Fioroni**; from Carrasco region of Uruguay, **Legrand.**

Leptodeira latifasciata Apatzingán, Mexico, ecology, **Duellman.**

Leptodeira maculata Aguililla, Mexico, ecology, **Duellman.**

Leptodeira splendida bressoni Coalcomán, Mexico, ecology, **Duellman.**

Leptophis diplotropis Arteaga, Mexico, ecology, **Duellman.**

Limnophis bicolor Abercorn, Lake Chisi, Mukupa and Mweru-wa-Ntipa, Northern Rhodesia, **Broadley & Pitman.**

Liophis anomalus from Carrasco region of Uruguay, **Legrand.**

Liophis miliaris semiaureus from Carrasco region of Uruguay, **Legrand.**

Liophis obtusus from Carrasco region, Uruguay, **Legrand.**

Lycodon aulicus chromosome cytology, 36 chromosomes present, **Bhatnagar, A. N.**; polyploid cells in spermatogenesis, **Srivastava & Bhatnagar.**

Lycophidion capense Cameroons, **Perret**; *L. c. capense* Abercorn, Mambwe, N. Rhodesia, Katisunga and Rukwa, Tanganyika, **Broadley & Pitman.**

Lycophidion irroratum, Cameroons, **Perret.**

Lycophidion laterale Cameroons, **Perret.**

Lycophidion semicinctum Cameroons, **Perret.**

Lystrophis dorbigny from Carrasco region, Uruguay, **Legrand.**

†*Malpolon laurenti* Pliocene, Europe, **Mlynarski** (1).

Malpolon monspessulanus in the south of France, photo., **Hoogmoed**; statistical survey, Black Sea area, **Stugren & Rădulescu**; *M. m. insignitus* Chlomos and Argyrades, Corfu, **Mertens** (2); *M. m. monspessulanus* Provence, general study, **Knoepffler, L.-P.** (1).

†*Malpolon monspessulanus insignitus* Pliocene, Europe, **Mlynarski** (1).

Manolepis putnami La Placita, Mexico, ecology, **Duellman.**

Masticophis f. flagellum Mayes Co., Oklahoma, photo., Illinois ecology, habits, variation and distribution, **Smith, P. W.**; *M. f. testaceous* captured in a quadrat study on movement in Texas, **Milstead** (6); ecology, behaviour and development, Big Bend region, Texas, **Minton.**

Masticophis lineatus general notes, Chihuahua, northern Mexico, **Webb** (2).

Masticophis mentovarius mentovarius new record, Chiquibul Forest, Mountain Pine Ridge, Cayo District, British Honduras, **Fugler.**

Masticophis striolatus striolatus Apatzingán, Tacícuaro, Mexico, ecology, **Duellman.**

Masticophis taeniatus australis Tacícuaro, Mexico ecology, **Duellman**; *M. t. ornatus* ecology, behaviour and development, Big Bend region, Texas, **Minton.**

Mehelya capensis habits, and distinguishing characters from Rhodesia, **Broadley (1)**; *M. c. capensis* Abercorn, N. Rhodesia, **Broadley & Pitman.**

Mehelya nyassae habits and distinguishing characters from Rhodesia, **Broadley (1).**

Mehelya poensis pl. 5, distribution and ecology, W. Africa, **Cansdale.**

Meizodon semiornata semiornata Abercorn, N. Rhodesia, **Broadley & Pitman.**

Miodon christyi Abercorn, new to N. Rhodesia, **Broadley & Pitman.**

†*Mionatrix* **gen. nov.** of Colubridae pp. 309 (312), pls. 1, 2, genotype *M. diatomus* **sp. nov.** pp. 309, (312) Shanwang, Shantung, China Miocene, **Sun (2).**

Natriciteres fuliginoides Fernando Poo Is., Gulf of Guinea, **Capocaccia (2)**; Cameroons, **Perret.**

Natriciteres olivacea olivacea Mweru-wa-Ntipa, N. Rhodesia, **Broadley & Pitman**; Cameroons, **Perret**; Stanley Pool, Congo, **Skelton-Bourgeois (2)**; *N. o. uluguruensis* Abercorn, N. Rhodesia, **Broadley & Pitman.**

Natriciteres variegata Cameroons, **Perret.**

Natrix anoscopus pl. 4, distribution and ecology W. Africa, **Cansdale**; *N. a. anoscopus* Ossidinge, Victoria, Cameroons, **Perret.**

Natrix c. cyclopion of Harris Co., Illinois, ecology, **Smith, P. W.**

Natrix erythrogaster distribution in Mexico, **Conant (1)**; *N. e. bogerti* relict fauna of the Chihuahuan desert, **Milstead (3)**; *N. e. neglecta* × *flavigaster* of Alexander Co., Illinois, ecology, **Smith, P. W.**; *N. e. transversa* photo., kept in vivaria, ecology and general notes, **Bustard (14)**; relict fauna of the Chihuahuan desert, **Milstead (3)**; colouration, Big Bend region, Texas, **Minton.**

Natrix grahami Cumberland Co., Illinois, ecology, **Smith, P. W.**

Natrix h. harteri fig. 3, from the Brazos River, Palo Pinto Co., Texas, **Tinkle & Conant**; *N. h. paucimaculata* **subsp. nov.** p. 34, figs. 1, 2, Colorado River, S. of the city limits of Robert Lee, Coke County, Texas, **Tinkle & Conant.**

Natrix kirtlandi Coles Co., Illinois ecology, **Smith, P. W.**

Natrix maura keeping in vivaria, ecology and general notes, **Bustard (14)**; list of digene and nematode parasites, Richlieu, **Dollfus**; records from N.W. Kent, **Edwards**; pigment patterns, **Fioroni**; from Columbretes Islands, **Klemmer**; Provence, general study, **Knoepffler, L.-P. (1)**; amoebiasis, **Steck.**

Natrix natrix effect of drugs on heart physiology, **Acolat & Provost**; correlation between body length and live body weight, and growth rate, **Anasiewicz & Micnulski**; Porthcurnick Beach & Porthbean Beach, Cornwall, **Burrage**; kept in vivaria, ecology and general notes, **Bustard (14)**; list of digene and nematode parasites, Richlieu, **Dollfus**; structure and development hypophysial vascular system, **Enemar**; amoebic infection and drugs used for *in vivo* tests, **Fiennes**; figs., embryonic pigmentation and development of pigmentation, **Fioroni**; figs., ecology and distribution in Roumania, **Fuhn & Vancea (1)**; Orla river region, S. Germany, **König**; biochemical study of the liver, **Schmidt, F. C.**; from the Kalinin district, general ecology, **Shaposhnikov, Golovin, Sorokin & Tarakanov**; statistical survey, Black Sea area, **Stugren & Rădulescu**; chromatoid bodies and spermatogenesis, **Sud (5)**; cytophysiological analysis of muscle fibre reaction to urea, **Ushakov & Krolenko**; Black Sea region, **Valkanov**; range, Holland, **Wijngaarden**; *N. n. helvetica* records from N.W. Kent, **Edwards**; Provence, general study, **Knoepffler, L.-P. (1)**; in Switzerland, **Kramer (1)**; in Austria, notes and photo., **Sochurek**; biotope, ecology, diet and ethology, Lienne, Belgium, **Tercafs (1)**; *N. n. natrix* in Switzerland, **Kramer (1)**; figs., key, distribution in Poland, **Młynarski (2)**; in Austria, notes and photo., **Sochurek**; *N. n. persa*, Sidari, Corfu, **Mertens (2).**

†*Natrix natrix* Quaternary Giebultów, R. Prądnik, Poland, **Młynarski (3).**

Natrix piscator piscator circulatory system, **Kashyap & Velankar**; pigment bodies of spinal neurones, **Sharma (1)**; cytochemical study of chromatoid bodies, **Sud (4).**

Natrix rhombifera distribution in Mexico, **Conant (1)**; *N. r. rhombifera* new record Cimarron River, Kismet, Seward Co., Kansas, **Diener, R. A. (1)**; Alexander Co., Illinois, ecology, **Smith, P. W.**

Natrix septemvittata Vermilion Co., Illinois, ecology, **Smith, P. W.**

Natrix sipedon kept in vivaria, ecology and general notes, **Bustard (14)**; enzymatic constitution of saliva, **Hegeman**; death resulting from the parasite *Entamoeba invadens*, **Jacobi**; very common in all ecological communities in Gonzales Co., Texas, **Raun**; *N. s. confluens* Alexander Co., Illinois, ecology, **Smith, P. W.**; *N. s. insularum* taxonomic position, **Cliburn (1)**; *N. s. pictiventris* mass unidirectional movement in Florida, **Holman & Hill**; *N. s. pleuralis* of Union Co., Illinois ecology, **Smith, P. W.**; *N. s. sipedon* of Gallia Co., Ohio, **Adler (3)**; new record Gallia Co., Ohio, **Adler & Dennis**; photos., Cazenovia Creek, Elma, Erie Co., New York, **Baarslag**; Wet Cave, Franklin Co., and Gizzard Cove Cave, Marion Co., Tennessee, ecology, **Barr**; photo., general note, **Conant (4)**; from Stonelick Lake Clermont Co., Ohio, measures 51 ins., [previous record 47½ ins.], **Magee**; Will Co., Illinois, ecology, **Smith, P. W.**; from Allegany State Park, **Stewart.**

Natrix stolata polyploid cells in spermatogenesis, **Srivastava & Bhatnagar.**

Natrix taxispilota rhombifera relict fauna of the Chihuahuan desert, **Milstead (3).**

Natrix tessellata keeping in vivaria, ecology and general notes, **Bustard (14)**; records from N.W. Kent, **Edwards**; development of pigmentation figs., **Fioroni**; figs. key, Poland, distribution, **Młynarski (2)**; in the northern Prearal region, U.S.S.R., **Shilov**; Black Sea area, statistical survey, **Stugren & Rădulescu**; Black Sea region, **Valkanov**; *N. t. tessellata*, figs., Roumania, ecology and distribution, **Fuhn & Vancea (1)**; of Corfu, **Mertens (2).**

Natrix t. tigrina growth formulae, **Fukada.**

Natrix valida distribution in Mexico, **Conant (1)**; *N. v. isabellae* Coahuayana, Mexico ecology, **Duellman**; *N. v. thamnophisoides* **subsp. nov.** p. 2 text–fig. 1, Rio San Cayetano, Tepic, Nayarit, Mexico, distribution compared with ranges of lowland populations and intergradation between *thamnophisoides* and *valida* is discussed, scutellation and apical pits studied, **Conant (3).**

Natrix viperina effect of drugs on heart physiology, **Acolat & Provost.**

Oligodon see *Holarchus.*

Oophilositum fasciatum Fernando Poo Is. Gulf of Guinea, **Capocaccia (2).**

Opheodrys aestivus cover photo., general note, **Dermid**; Monroe Co., Illinois, habits and variation photos., **Smith, P. W.**

Opheodrys vernalis blanchardi new record **Fayette Co., Good Hope, Ohio, Adler & Dennis;** Providence township, Buena Vista Co., Iowa, **Christiansen;** Livingston Co., Illinois, habits and variation, **Smith, P. W.;** *O. v. vernalis* from Allegany State Park, **Stewart.**

Opisthotropis alcalai **sp. nov.** p. 2 fig. 1, Mount Malindang, Zamboanga del Norte Province, Mindanao Island, Philippine Islands, list of species of *Opisthotropis* and type localities, **Brown & Leviton.**

Oxybelis aeneus auratus Coahuayana, Mexico ecology, **Duellman.**

†*Palaeoelaphe kansanensis* Pliocene, Kansas, **Mlynarski (1).**

Philodryas aestivus mañegarzoni **subsp. nov.** p. 1 pl. 1, Zapicán, Lavalleja Dept., Uruguay, **Orejas Miranda (1).** in Uruguay, notes, **Orejas Miranda (3).**

Philodryas olfersii in Uruguay, general notes, **Orejas Miranda (3).**

Philodryas schottii, figs., in Uruguay, notes, **Orejas Miranda (3);** swimming ability, **Tercafs (2).**

Philothamnus spp., records from Abercorn, Rhodesia, **Broadley & Pitman;** Cameroons, **Perret.**

Philothamnus heterodermus carinatus Fernando Poo Is., Gulf of Guinea, **Capocaccia (2);** Monga & Stanley Pool, Congo, **Skelton-Bourgeois (2).**

Philothamnus heterolepidotus new to Abercorn, N. Rhodesia, **Broadley & Pitman;** Monga & Stanley Pool, Congo, **Skelton-Bourgeois (2).**

Philothamnus irregularis irregularis, Monga & Stanley Pool, Congo, **Skelton-Bourgeois (2).**

Philothamnus (*Chloropohis*) *ornatus* new to the Cameroons, **Perret.**

Philothamnus semivariegatus girardi Annobón Is., Gulf of Guinea, **Capocaccia (2);** *P. s. thomensis* S. Tomé Is., Gulf of Guinea, **Capocaccia (2).**

Pituophis catenifer ecology Big Bend region, Texas, **Minton;** *P. c. annectans* fig., range, description, habits, Los Angeles, **Hill, H. R.;** *P. c. deserticola* range, description and habits, Los Angeles, **Hill, H. R.;** *P. c. sayi* dentary cross section to show growth rings, **Peabody.**

Pituophis deppei deppei Carapan, Mexico, ecology, **Duellman.**

Pituophis l. lineaticollis Dos Aguas Mexico, ecology, **Duellman.**

Pituophis melanoleucus sayi Quimby, Cherokee Co., Iowa, **Christiansen;** Mason Co., Illinois, photo habits, variation and distribution, **Smith, P. W.**

†*Pituophis melanoleucus* Pleistocene, Friesenhahn Cave, Texas, **Mecham.**

Pliocercus elapoides hobartsmithi **subsp. nov.** p. 215 El Salto Falls, San Luis Potosí, Mexico, comparisons with *P. elapoides* and *P. laticollaris*, **Liner.**

Procinura aemula general notes Arroyo Cuchujáqui, northern Mexico, **Webb (2).**

Prosymna ambigua bocagei new to Cameroons, **Perret;** *P. a. stuhlmanni* Abercorn, N. Rhodesia, **Broadley & Pitman.**

Prosymna meleagris laurenti from the Cameroons, **Perret.**

Psammophis angolensis photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2);** Abercorn, N. Rhodesia, **Broadley & Pitman.**

Psammophis elegans univittatus **subsp. nov.** p. 136, Maroua new to Cameroons, **Perret.**

Psammophis schokari photo., different colourations Debdou, Aïn-Guettara & Guercif, Morocco, **Bons;** development of the amnion and chorion, **Melouk.**

Psammophis sibilans pl. 7 (plain and striped) distribution and ecology, W. Africa, **Cansdale;** photo., with clutch of eggs, **Sweeney;** *P. s. phillipsi* in the Cameroons, **Perret;** *P. s. schokari* photo., Denmark, **Johnsen;** *P. s. sibilans* spermatogenesis and testis structure, **Boisson;** Loskop Dam Nature Reserve, S. Africa, **Brain (2);** Abercorn, N. Rhodesia, **Broadley & Pitman.**

Psammophis s. subtaeniatus Loskop Dam Nature Reserve, S. Africa, **Brain (2);** *P. s. sudanensis* new record, Abercorn, N. Rhodesia, **Broadley & Pitman.**

Psammophylax tritaeniatus fitzgeraldi **subsp. nov.** p. 431, Mwambeshi Farm, Abercorn, N. Rhodesia at 5,500 ft., **Broadley (3);** Abercorn, N. Rhodesia, **Broadley & Pitman.**

Pseudoboa neuwiedii lectotype selected, **Hoge & Lancini.**

Pseudoficimia frontalis Apatzingán, Mexico ecology, **Duellman.**

Pseudoficimia pulcherrima Mexico, ecology, **Duellman.**

Pseudorabdion eiselti **sp. nov.** p. 45, fig. 13; Padang Sumatra, **Inger & Leviton.**

Ptyas korros host to *Amblyomma helvolum*, in Timor, **Cabrier da Silva.**

Ptyas mucosus host to *Amblyomma helvolum* in Timor, **Cabrier da Silva;** host to *Xenopharynx dhamini* **sp. nov.** Cuttack, Orissa, India, **Chatterji & Kriudenier;** detailed cudal musculature, **Majupuria (1);** detailed morphology of the hemipenes, **Majupuria (2);** anatomy of the cloaca, **Majupuria (3);** polyploid cells in spermatogenesis, **Srivastava & Bhatnagar.**

Rhadinaea flavilata general study, North Carolina, **Funderburg.**

Rhadinaea hesperia hesperia Arteaga, Mexico, ecology, **Duellman.**

Rhadinaea laureata Capácuaro, Mexico, ecology, **Duellman.**

Rhadinaea taeniata Tancitaro, Mexico, ecology, **Duellman.**

Rhamphiophis oxyrhynchus pl. 8, ecology and distribution, W. Africa, **Cansdale.**

Rhamphiophis rostratus photo., on a termite mound, **Sweeney.**

Rhinocheilus lecontei lecontei range, description, habits, Los Angeles, **Hill, H. R.;** *R. l. tessellatus* ecology, Big Bend region, Texas, **Minton.**

Salvadora bairdi Barranca Seca, Mexico, ecology, **Duellman.**

Salvadora grahamiae ecology and colouration, Big Bend region, Texas, **Minton.**

Salvadora hexalepis deserticola ecology and colouration, Big Bend region, Texas, **Minton;** *S. h. virgultea* range, description, habits, Los Angeles, **Hill, H. R.**

Salvadora mexicana, Apatzingán, Mexico, ecology, **Duellman.**

Scaphiophis albopunctatus albopunctatus Abercorn and Mukupa new to N. Rhodesia, **Broadley & Pitman.**

Sibon nebulatus Aquila, Mexico, ecology, **Duellman.**

Sonora episcopa episcopa life history, Tulsa Co., Oklahoma and Palo Pinto Texas, **Kassing.**

Sonora michoacanensis michoacanensis Apatzingán, Mexico ecology, **Duellman.**

Sonora semiannulata blanchardi ecology, Big Bend region, Texas, **Minton.**

Spilotes pullatus skull figured p. 224, **Gans (3).**

Stegonotus modestus (Schlegel) synonymy, **Worrell (3).**

Storeria d. dekayi from Allegany State Park, **Stewart;** *S. d. wrightorum* Douglas Co., photos., Illinois, distribution and ecology, **Smith, P. W.**

Storeria occipitomaculata record from Texas, **Long, R. J.;** *S. o. occipitomaculata* of Richland Co., Ohio, **Adler (3).** Piatt Co., Illinois, photo., ecology and distribution, **Smith, P. W.;** from Allegany State Park, **Stewart.**

Storeria storerioides Dos Aquas Mexico, ecology, **Duellman.**

Storeria tropica anomala San Rafael, Veracruz, **Anderson, P. K.;** *S. t. limnetes* **subsp. nov.** p. 246, fig. 4 (photo.) Waggaman, S. of Harahan, St. Charles Parish, Louisiana, **Anderson, P. K.;** *S. t. temporalineata* **comb. nov.** San Rafael, Jicaltepec Veracruz, **Anderson, P. K.;** *S. t. tropica* Peten Guatemala, **Anderson, P. K.**

Tantilla atriceps ecology, Big Bend region Texas, **Minton.**

Tantilla bocourti Carapan, Mexico, ecology, **Duellman.**

Tantilla calamarina from Apatzingán Mexico, ecology, **Duellman.**

Tantilla canula brevis ecological and nomenclatorial study from British Honduras, **Neill & Allen (2).**

Tantilla cucullata ecology Big Bend region, Texas, **Minton.**

Tantilla diabola, **sp. nov.** p. 144, text-figs. 3, 4; Horace Fawcett Ranch, Vale Verde Co., Texas, **Fouquette & Potter.**

Tantilla gracilis hallowelli, Union Co., Illinois, photo., ecology and distribution, **Smith, P.W.**

Tantilla nigriceps nigriceps general notes El Palmito, northern Mexico, **Webb (2).**

[*Telescopus*] *Tarbophis obtusus* first record from Tchad, at Oum el Adam, **Wake & Kluge.**

Telescopus fallax statistical survey, Black Sea region, **Stugren & Rădulescu.**

Telescopus nigriceps deleted from the list of Israel reptiles, replaced by *T. hoogstraali*, **Hoofien *in* Barash & Hoofien.**

Thamnophis brachystoma from Allegany State Park, **Stewart.**

Thamnophis cyrtopsis ecology, Big Bend region, Texas, **Minton;** *T. c. cyrtopsis* considered a synonym of *T. d. dorsalis*, **Fitch & Milstead;** *T. c. sumichrasti* general characteristics, ecology and notes from British Honduras, **Neill & Allen (2).**

Thamnophis dorsalis cyclides, Barolosa, Mexico, ecology, **Duellman;** *T. d. postremus* Apatzingán Mexico, ecology, **Duellman.**

Thamnophis elegans terrestris effects of low temperatures on embryos, **Fox, Gordon & Fox.**

Thamnophis eques distribution in Mexico, **Conant (1);** photo., scutellation and tail length proportions, key characters for separation of *Natrix* and *Thamnophis*, **Conant (3);** *T. e. eques* Jiquilpan Mexico, ecology, **Duellman.**

Thamnophis hammondii range, description, habits fig., Los Angeles, **Hill, H. R.**

Thamnophis marcianus in central Oklahoma, **McCoy (4);** *T. m. nigrolateris* ecology, Big Bend region, Texas, **Minton.**

Thamnophis melanogaster canescens Lago de Cuitzeo, Mexico, ecology, **Duellman.**

Thamnophis praeocularis general characteristics, ecology and notes from British Honduras, **Neill & Allen (2).**

Thamnophis radix haydeni Poland township, Iowa, **Christiansen;** *T. r. radix* Champaign Co., Illinois photos., ecology, **Smith, P. W.**

Thamnophis sauritis death from dystokia due to retention of 20 fully-developed foetuses, **Fiennes;** swimming ability, **Tercafs (2);** *T. s. chalceus* (Cope) [Dunn] should be known as *T. s. rutiloris* in as much as *chalceus* Cope is demonstrated to belong in the synonymy of *T. s. sackeni*, **Rossman;** *T. s. proximus* Union Co., Illinois, photos, ecology, **Smith, P. W.;** *T. s. sauritus* of Richland Co., Ohio, **Adler (3);** Licking Co., Ohio new records, **Adler & Dennis;** presence in S. Mississippi verified, **Cliburn (2).**

Thamnophis scalaris scaliger Cerro Tancitaro, Mexico ecology, **Duellman.**

Thamnophis sirtalis intertidal fishes as food along the coast of British Columbia, **Batts;** water metabolism in arid regions, **Chew, R. M.;** *T. s. infernalis*, range, description, habits and fig., Los Angeles, **Hill, H. R.;** *T. s. ornata* re-described from New Mexico, **Fitch & Maslin;** *T. s. parietalis* Brooke township, Buena Vista Co., Iowa, **Christiansen;** *T. s. proximus* indicated in Hancock Co., Mississippi, **Cliburn (2);** *T. s. sackeni* range restricted to exclude Mississippi, **Cliburn (2);** *T. s. semifasciata* Lake Co., Illinois, ecology, photo., **Smith, P. W.;** *T. s. sirtalis*, Meigs Co., Ohio, new record, **Adler & Denis;** Barnes township, Buena Vista Co., Iowa, **Christiansen;** photo., general note, **Conant (4);** Douglas Co., Illinois, photo., ecology, **Smith, P. W.;** from Allegany State Park, **Stewart.**

Thelotornis capensis chondrocranium and osteocranium of a late developmental stage, **Visser.**

Thelotornis kirtlandii pl. 7 ecology and distribution, W. Africa, **Cansdale;** photo., from Kivu, **Laurent (3);** photo. in typical attitude, **Sweeney;** *T. k. capensis* photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2);** Abercorn, N. Rhodesia, **Broadley & Pitman;** *T. k. kirtlandii* Fernando Poo Is., Gulf of Guinea, **Capocaccia (2).**

Thrasops flavigularis pl. 6, ecology and distribution, W. Africa, **Cansdale;** Fernando Poo Is., Gulf of Guinea, **Capocaccia (2).**

Thrasops occidentalis pl. 6, distribution and ecology, W. Africa, **Cansdale.**

Toluca lineata lineata Capácuaro, Mexico ecology, **Duellman.**

Trimorphodon biscutatus biscutatus Mexico, ecology, **Duellman.**

Trimorphodon lambda second record from New Mexico, at Animas, Hidalgo Co., **Harris;** *T. l. paucimaculata* El Dorado, Sinaloa Mexico, **Fugler & Dixon.**

Trimorphodon latifascia Apatzingán Mexico, ecology, **Duellman.**

Trimorphodon tau Emiliano Zapata, Mexico, ecology, **Duellman.**

Trimorphodon vandenburghi, range, description, habits, Los Angeles, **Hill, H. R.**

Trimorphodon vilkinsoni ecology, Big Bend region, Texas, **Minton.**

Tropidoclonion l. lineatum photo., Sangamon Co., Illinois, habits, ecology and distribution, **Smith, P. W.**

Tropidodipsas fasciata first record from Valles, San Luis Potosí, Mexico, **Licht & Gehlbach.**

Tropidodipsas leucomelas Werner reallocated to the genus *Tripanurgos* descriptions and nomenclature, **Downs.**

Tropidodipsas occidentala Coalcomán, Mexico, ecology, **Duellman.**

Tropidodipsas sartorii from Gallon Jug Orange Walk District, British Honduras, **Neill & Allen (2).**

Virginia see *Haldea.*

Xenodon merremii cytology of the pancreas, **Cardeza (1);** modification of the islets of Langerhans, **Cardeza (2);** fall in blood sugars following pancreatectomy, **Miller, M. R.**

Zamenis viridiflavus see *Coluber viridiflavus.*

CROTALIDAE *see under* VIPERIDAE

ELAPIDAE

Elapidae from Australia and their haematozoan parasites, **Mackerras.**

Aspidomorphus squamulosus (Duméril & Bibron) synonymy, first adequate description of genus, **Worrell (3).**

Boulengerina a. annulata photo., Cameroons, **Perret.**

Brachysoma diadema (Schlegel) synonymy, genus revived to accommodate *diadema* = type species, first adequate description of genus, **Worrell (3).**

Bungarus caeruleus histochemical study of oocyte lipids, **Guraya (1);** histochemistry of spermatogenesis, **Guraya (2);** polyploid cells in spermatogenesis, **Srivastava & Bhatnagar.**

Bungarus candidus venom, treatment, general notes, **Keegan.**

Bungarus fasciatus venom, treatment, general notes, **Keegan;** photo., north Vietnam, ecology, **Petzold (1).**

Bungarus flaviceps venom, treatment, general notes, **Keegan.**

Bungarus multicinctus venom, treatment, general notes, **Keegan.**

Cacophis krefftii Günther first adequate description of genus, **Worrell (3).**

Calliophis calligaster calligaster, C. c. gemianulus & *C. c. mcclungi* key, Philippine Is., distribution, **Leviton (2).**

Calliophis maculiceps michaelis **var. nov.** p. 377, Mekong river area, Savannakhet, Thakhek, S. Vietnam [see also **Deuve (2)** p. 28], **Deuve (1) & (2).**

Cryptophis **gen. nov.** p. 26 of Elapidae type species *C. pallidiceps* (Günther) N. Territory, **Worrell (3).**

Cryptophis dwyeri (Worrell) synonymy, **Worrell (3).**

Cryptophis flagellum (McCoy) synonymy, **Worrell (3).**

Cryptophis nigrescens (Günther) synonymy, **Worrell (3).**

Demansia nuchalis tanneri **subsp. nov.** p. 56 figs. B, D-F p. 57, Recherche Archipelago (Boxer Island) Western Australia, **Worrell (2).** [*Demansia*] *Pseudonaja nuchalis nuchalis* Günther, synonymy, **Worrell (3).**

Demansia olivacea (Gray) synonymy, **Worrell (3).**

Demansia textilis textilis haemolysins in venom, **Doery & Pearson.**

Dendraspis [*Ophiophagus*] *hannah* host to *Amblyomma helvolum*, Timor, **Cabrier da Silva;** venom, treatment, general notes, **Keegan;** key, Philippine Is., distribution, **Leviton (2);** *D. h. brunnea* **subsp. nov.** p. 229, Darjeeling; *D. h. hannah* western Bengal, & *D. h. nordicus* **subsp. nov.** p. 229, Mamgain Dunda Lakhond Dehra Dun, N. India, taxonomy, **Deraniyagala (4).**

Dendroaspis angusticeps formula for an antivenin, **Bazarusanga;** Tanganyika to Natal coastal strip, **Broadley (2);** from the Chirinda forest, Mount Salinda, Southern Rhodesia, **Bruggen (2);** photos., habits, general notes and ecology, **Temple-Perkins.**

Dendroaspis jamesonii W. and C. Africa, **Broadley (2);** pl. 10, ecology and distribution, W. Africa, **Cansdale;** *D. j. kaimosae* W. Kenya, **Broadley (2);** photos., general notes, reproduction ecology and behaviour, Bunyakiri Kalehe Territory, Kivu, Africa, **Lecup.**

Dendroaspis polylepis photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2);** from the Chirinda forest, Mount Salinda, S. Rhodesia, **Bruggen (2);** coloured photo., typical alert attitude, **Sweeney;** *D. p. antinorii* N. Kenya, ecology, **Broadley (2);** *D. p. polylepis* Southern Rhodesia, general study, photos., **Broadley (2);** Abercorn, N. Rhodesia, **Broadley & Pitman;** Lourenço Marques; Mozambique, general notes and feeding habits, **Manaças (3).**

Dendroaspis viridis W. and C. Africa, **Broadley (2);** pl. 10, ecology and distribution, W. Africa, **Cansdale.**

Denisonia devisi Waite & Longman, synonymy, **Worrell (3).**

Denisonia fasciata Rosen, synonymy, **Worrell (3).**

Denisonia maculata (Steindachner), synonymy and synopses of genera previously included in *Denisonia*, **Worrell (3).**

Drepanodontis **gen. nov.** p. 54 of Elapidae for a nominal species of *Denisonia*, type-sp. *Hoplocephalus daemelii* Günther, figs. 1, 2, Peak Downs, Queensland, **Worrell (1).**

Drysdalia **gen. nov.** p. 25 of Elapidae type species *D. coronoides* (Günther) Tasmania, **Worrell (3).**

Drysdalia coronata (Schlegel) synonymy, **Worrell (3).**

Drysdalia mastersii (Krefft) synonymy, **Worrell (3).**

Elapsoidea guntherii photo., general habit and habitat in Uganda, **Temple-Perkins.**

Elapsoidea sundevallii decosteri Bulaya, Lake Chisi and Mweru-wa-Ntipa, N. Rhodesia, **Broadley & Pitman.**

Furina see under *Vermicella.*

Glyphodon harriettae (Krefft) synonymy, **Worrell (3).**

Hemachatus haemachates photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2).**

Lunelaps **gen. nov.** p. 22 of Elapidae species mentioned *L. christieanus* Fry p. 22, text-figs. A-D, Australia, Darwin, **Worrell (3).**

Maticora intestinalis bilineata, M. i. philippina & *M. i. suluensis* key, Philippine Is., distribution, **Leviton (2).**

Micrurus distans michoacanensis Apatzingán, Mexico, ecology, **Duellman.**

Micrurus fulvius an exceptional pattern variant, **Meachem & Myers;** bites, in United States, general notes, **Russell (2);** *M. f. tenere* relict fauna, Chihuahuan desert, **Milstead (3).**

Micrurus laticollaris El Sabino, Mexico, ecology, **Duellman.**

Naja celebensis Ahl 1933 is a melanic form of *Boiga dendrophila gemmicincta* Duméril, Bibron & Duméril 1854, so *celebensis* Ahl 1933, and *atra* Kopstein 1936 are synonyms of *gemmicincta*, **Mertens (4).**

Naja haje experimental action of venine on hematitis, **Balozet;** pl. 12, ecology and distribution, W. Africa, **Cansdale.**

Naja hannah phospholipase activity of venom, **Gennaro, jr., & Hood.**

Naja kaouthia, N. k. atra, N. k. kaouthia & N. k. sagittifera taxonomy, S.E. Asia, **Deraniyagala (4).**

Naja melanoleuca from Abercorn and Mambwe, N. Rhodesia, **Broadley & Pitman;** pl. 11, ecology and distribution, W. Africa, **Cansdale;** death from maxillary abcesses, "Jardin des Plantes", **Nouvel, Stazielle & Chauvier;** *N. m. melanoleuca* Musola Fernando Poo Is., & Agua Izé, S. Tomé Is., Gulf of Guinea, photo., **Capocaccia (2);** Adamaoua, Cameroons, **Perret;** *N. m. subfulva* new to the Cameroons, from Adamaoua, **Perret.**

Naja naja host to *Xenopharynx hirakudensis* and *X. sambalus* **spp. nov.** Sambalpur, Orissa, India, **Chatterji & Kruidenier;** photograph of hood, **Cuÿlenburg;** venom, treatment, general notes, **Keegan;** venom and a detergent used to block axonal conduction by curare, **Rosenberg & Ehrenpreis;** effect of venom on neuromuscular transmission, **Russell, O'Brien & Inaba;** *N. n. atra* photo., ecology, North Vietnam, **Petzold (1);** *N. n. bombaya* **subsp. nov.** p. 216, Bombay Presidency, *N. n. gangetica, N. n. indusi* from Rajasthan, S.E. Asia, *N. n. karachiensis* **subsp. nov.** p. 210 pl. 1 pl. 2 figs. 12–17 Karachi, taxonomy, **Deraniyagala (4);** *N. n. leucodira* host to *Amblyomma helvolum*, Timor, **Cabrier da Silva;** *N. n. madrasiensis* taxonomy, S.E. Asia, **Deraniyagala (4);** *N. n. miolepis* key, Philippine Is., distribution, **Leviton (2);** *N. n. nigricollis* of Adamaoua, Cameroons, **Perret;** *N. n. philippinensis* key, Philippine Is., distribution, **Leviton (2);** *N. n. samarensis* key, Philippine Is., distribution, **Leviton (2).**

Naja nigricollis pl. 11, ecology and distribution in W. Africa, **Cansdale;** haemolysins of venom, **Doery & Pearson;** *N. n. crawshayi* from Abercorn & Mambwe, N. Rhodesia, **Broadley & Pitman.**

Naja s. samarensis taxonomy, S.E. Asia, **Deraniyagala (4).**

Naja sputatrix celebensis taxonomy, S.E. Asia, *N. s. malayae* **subsp. nov.** p. 223, Southern Malaya, Tampin, Negri Sembilan, taxonomy, *N. s. miolepis* & *N. s. sputatrix* taxonomy, S.E. Asia, **Deraniyagala (4).**

Naja tripudians experimental action of venine on hematitis, **Balozet;** experimental and clinical studies on glucocorticoids in envenomation, **Benyajati, Keoplung & Sribhibhadh;** *N. t. typica* histochemical study of oocyte lipids, **Guraya (1).**

Narophis **gen. nov.** p. 27 of Elapidae, species mentioned *N. bimaculata* (Duméril & Bibron) synonymy, W. Australia, **Worrell (3).**

Notechis scutatus haemolysins of venom, **Doery & Pearson;** comparative study of blood coagulation, **Fantl;** effect of venom on neuromuscular transmission, **Russell, O'Brien & Inaba.**

Ophiophagus hannah see *Dendraspis.*

Oxyuranus scutellatus effect of venom on neuromuscular transmission, **Russell, O'Brien & Inaba.**

Pseudechis colletti guttatus De Vis synonymy, **Worrell (3).**

Pseudechis porphyriacus haemolysins of venom and separation of phospholipase A, **Doery & Pearson.**

Pseudohaje nigra pl. 10 ecology and distribution, W. Africa, **Cansdale.**

Pseudonaja see *Demansia.*

Suta **gen. nov.** p. 25 of Elapidae, species mentioned *S. suta* (Peters) Adelaide, synonymy, **Worrell (3).**

Tropidechis carinatus, photos., behaviour, ecology, venom and its effects, size attained, **Fleay.**

Unechis **gen. nov.** p. 25 of Elapidae, species mentioned *U. carpentariae* (Mackleay) synonymy, Queensland, **Worrell (3).**

Vermicella annulata (Gray) new name for *Calamaria annulata* Gray 1841, **Worrell (3).**

Vermicella [*Furina*] *multifasciata* Longman 1915 reduced to a synonym of *annulata*, **Worrell (3).**

Walterinnesia aegyptia venom tested on animal cells *in vitro*, **Gaertner, Goldblum, Gitter & Vries;** mouse toxicity of venom due to neurotoxic action, **Perlmutter-Moros, Goldblum, Gitter & Vries.**

HOMALOPSIDAE *see under* COLUBRIDAE

HYDROPHIDAE

Enhydrina schistosa site of action of the venom, **Carey & Wright;** 15 cases around Penang of people being bitten, **Reid (1).**

Hydrophiinae, large numbers in the sea between Malaya and Sumatra, **Shaw (2).**

Hydrophis cyanocinctus responsible for 9 cases of sea snake bites near Penang, **Reid (1).**

Hydrophis pelamys Oken 1816 proposal to place the specific name on the Official Index of Rejected and Invalid Names due to the invalidation of Oken's "Lehrbuch der Naturgeschichte", **Savage.**

Hydrophis spiralis responsible for sea snake bites near Penang, **Reid (1).**

Kerilia jerdoni responsible for sea snake bites near Penang, **Reid (1).**

Laticauda colubrina venom, treatment and general notes, **Keegan.**

Laticauda semifasciata venom, treatment and general notes, **Keegan.**

Pelamis platurus eaten by an *Octopus*, possible toxic effects considered, **Bruggen (1);** Boca de Apiza Mexico, ecology, **Duellman;** uncertain record from the W. coast of Baja California, **Hubbs.**

LEPTOTYPHLOPIDAE

Leptotyphlops spp. sensory areas of the saccule and cochlea, **Baird.**

Leptotyphlops bressoni, El Sabino, Mexico, ecology, **Duellman.**

Leptotyphlops dulcis intercostal arteries, **Brongersma (1);** *L. d. dissecta* ecology, Big Bend region, Texas, **Minton.**

Leptotyphlops gadowi Apatzingán, Mexico, ecology, **Duellman.**

Leptotyphlops gestri southern forests, Cameroons, **Perret.**

Leptotyphlops humilis humilis range, description, habits, Los Angeles, **Hill, H. R.;** *L. h. segregus* ecology, Big Bend region Texas, **Minton.**

Leptotyphlops muñoai **sp. nov.** p. 85, text-fig. 1a-c, Pozo Hondo, Tambores, Dept. Tacuarembó, Uruguay, this species was formerly known as *L. albifrons* (Wagler 1824); relationship with *L. dimidiata* discussed, comparative chart of ratios, lengths and squamation of 62 paratypes given, **Orejas Miranda (2).**

Leptotyphlops narirostris southern forests, Cameroons, **Perret.**

Leptotyphlops phenops bakewelli La Placita, Mexico, ecology, **Duellman.**

NATRICIDAE *see under* COLUBRIDAE

†PALAEOPHIDAE

Pterosphenus affinities with *P. schweinfurthi*, Eocene, Libyan desert, **Hoffstetter (3).**

Pterosphenus schweinfurthi Eocene, Dor-et-Talha, Libya, **Hoffstetter (5).**

Pterosphenus sheppardi Eocene, Ecuador, discussed, **Hoffstetter (1).**

PYTHONIDAE *see under* BOIDAE

TYPHLOPIDAE

Typhlops spp. sensory areas of the saccule and cochlea, **Baird;** from the Cameroons, **Perret.**

Typhlops bibronii photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2).**

Typhlops braminus Apatzingán, Mexico, ecology, **Duellman.**

Typhlopa caecus pitmani **subsp. nov.** p. 183, Congo, **Witte (1);** corrections to the description in an earlier paper [Rev. Zool. Bot. Afr. **64** 1961 : 183–4], **Witte (3).**

Typhlops diardii mülleri intercostal arteries, **Brongersma (1).**

Typhlops gracilis from Abercorn & Mukupa, N. Rhodesia, **Broadley & Pitman.**

Typhlops punctatus pl. 3, distribution and ecology, W. Africa, **Cansdale;** *T. p.? punctatus* from Abercorn & Mukupa, N. Rhodesia, **Broadley & Pitman.**

Typhlops schlegelii mucruso, Abercorn & Mukupa, N. Rhodesia, **Broadley & Pitman;** photo., from Kivu, **Laurent (3).**

Typhlops silus Legler, status, general characers and distribution, **Richmond.**

Typhlops vermicularis Counoupena-See, Corfu, **Mertens (2);** statistical survey, Black Sea area, **Stugren & Rădulescu.**

UROPELTIDAE

Uropeltis melanogaster intercostal arteries, **Brongersma (1).**

VIPERIDAE

Ancistrodon see *Agkistrodon.*

Agkistrodon acutus venomous snakes of the Far East, recognition and treatment of bite, **Keegan.**

Agkistrodon bilineatus bilineatus Apatzingán, Mexico, ecology, **Duellman.**

Agkistrodon contortrix responsible for poisoning in E. and S. U.S.A., midwest Texas and Oklahoma, general notes **Russell (2);** *A.* [*Ancistrodon*] *contortrix* effect of corticosteroids on lethality of the venom, **Russell & Emery (2);** *A.* [*Ancistrodon*] *c. laticinctus* bite and its effect on the author, **Diener, R. A. (2);** birth season and study of young, **McCoy (1);** *A.* [*Ancistrodon*] *c. mokeson* effects of venom on neuromuscular transmission, **Russell & Long;** Alexander Co., Illinois photos., ecology, **Smith, P. W.;** *A.* [*Ancistrodon*] *c. pictigaster* relict fauna, Chihuahuan desert, **Milstead (3);** ecology and behaviour, Big Bend region Texas, **Minton.**

Agkistrodon halys, venomous snakes of the Far East, recognition and treatment of snake bite, **Keegan.**

Agkistrodon piscivorus decline in numbers after fires in Okefenokee swamp, **Cypert;** haemolysins of venom, **Doery & Pearson;** phospholipase activity of venom, **Gennaro, jr., & Hood;** quantity of venom introduced in a bite, **Gennaro, jr., Leopold & Merriam;** venom toxicity for mice and frogs, **Hall & Gennaro, jr.;** death in the "Jardin des Plantes", **Nouvel, Stazielle & Chauvier;** bites in Florida, general note, **Russell (2);** effect of venom on neuromuscular transmissions, **Russell & Long;** *A. p. leucostomus* Jackson Co., Illinois, photos., ecology, **Smith, P. W.**

Agkistrodon rhodostoma venomous snake of the Far East, recognition and treatment of snake bite, **Keegan.**

Aspis Laurenti 1768, proposed suppression as a Rejected and Invalid Name under the Law of Priority not for the Law of Homonymy, **Schmidt, Pope & Loveridge.**

Atheris chloraechis pl. 13 ecology and distribution, W. Africa, **Cansdale.**

Atheris nitschei rungweensis Abercorn & Mbeya, N. Rhodesia, **Broadley & Pitman.**

Atheris squamigera squamigera Fernando Poo Is., Gulf of Guinea, **Capocaccia (2);** Stanley Pool, Congo, **Skelton-Bourgeois (2).**

Atractaspis sp. pl. 13 ecology and distribution, W. Africa, **Cansdale;** Cameroons, **Perret.**

Atractaspis bibronii, photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2);** *A. b. rostrata*, Kasama Abercorn, N. Rhodesia, new record, **Broadley & Pitman.**

Atractaspis coalescens new to the Cameroons, **Perret.**

Atractaspis congica congica × *orientalis* intergrades, Abercorn, N. Rhodesia, new record, **Broadley & Pitman.**

Berus Oken 1816, see under *Vipera.*

Bitis arietans action of venines on hematitis, **Baloset;** formula for an antivenin, **Bazarusanga;** *B.* [*lachesis*] *arietans* photo., formula for an antivenin, **Bazarusanga;** *B. arietans* pl. 12, ecology and distribution, W. Africa, **Cansdale;** photo., Rwindi-Rutshuru plain, Africa, **Curry-Lindahl (2);** comparative study of bile acids, **Haslewood;** *B.* [*l. lachesis*] *arietans* Vila Paiva de Andrada, Mozambique, general notes and feeding habits, **Manaças (3);** *B.* [*l.*] *arietans* death from parasitic nematodes, "Jardin des Plantes", **Nouvel, Stazielle & Chauvier;** *B. arietans* photos., poison fangs, general notes and details of habits, **Temple-Perkins;** *B. a. arietans*, Abercorn, N. Rhodesia, **Broadley & Pitman;** photo., from Kivu, **Laurent (3);** Stanley Pool, Congo, **Skelton-Bourgeois (2).**

Bitis gabonica action of venines on hematitis, **Baloset;** from the Chirinda forest, Mount Selinda, Southern Rhodesia, **Bruggen (2);** pl. 14, ecology and distribution, W. Africa, **Cansdale;** comparative study of bile acids, **Haslewood;** photo., common in the forests of South Buganda, Busoga and Bunyoro, habits and bite, **Temple-Perkins;** *B. g. gabonica* from Abercorn, N. Rhodesia, **Broadley & Pitman;** Vila Paiva de Andrada, Mozambique, general notes and feeding habits, **Manaças (3).**

Bitis hindii photo., general study, notes, ecology, Aberdare Mts., Kenya, **Kramer (2).**

Bitis lachesis see under *B. arietans.*

Bitis nasicornis pl. 14, ecology and distribution, W. Africa, **Cansdale**; Fernando Poo Is., Gulf of Guinea, **Capocaccia (2)**.

Bitis superciliaris general study, notes and ecology, Aberdare Mts., Kenya, **Kramer (2)**.

Bothrops alternata distribution in Buenos Aires province, Argentina, **Barrio (2)**; venom experimental study, **Ferraresi.**

Bothrops ammodytoides distribution in Buenos Aires province Argentina, **Barrio (2)**; from Argentina, general note, **Cei.**

Bothrops atrox from Venezuela, **Montilla.**

Bothrops insularis presence of hemipenes in ♀s on Queimada Grande Is., S. Atlantic, **Hoge, Belluomini, Schreiber & Penha.**

Bothrops jararaca venom, experimental study, **Ferraresi**; partial purification and some properties of the blood clotting factor from the venom, **Henriques, O. B. & S. B. & Fichman**; blood sugars response to insulin injections, **Miller, M. R.**

Bothrops jararacussi venom, experimental study, **Ferraresi.**

Bothrops neuwiedii venom, experimental study, **Ferraresi**; *B. n. meridionalis*, Argentina, general note, **Cei.**

Bothrops pifanoi **sp. nov.** p. 3, figs. 1–5, Avila Mts. (Guayabo Mocho, Silla de Caracas) Venezuela, comparison with *B. atrox*, **Montilla & Römer.**

Bothrops venezuelae **sp. nov.** p. 4, figs. A–Q; North and Central Venezuela Avila Mts., W. Mts. of Los Teques (Corozal and Lagunetas) forests of the Rancho Grande and Fila Miranda from Aragua State and the forests of Guatopo, **Montilla.**

Causus defilippi preyed on by file snakes, **Broadley (1)**; from Mukupa, N. Rhodesia, **Broadley & Pitman.**

Causus lineatus photo., formula for an antivenin, **Bazurusanga.**

Causus resimus photo., formula for an antivenin, **Bazarusanga**; photo., from Kivu, **Laurent (3).**

Causus rhombeatus photo., Loskop Dam Nature Reserve, S. Africa, **Brain (2)**; preyed on by file snakes, **Broadley (1)**; Mukupa and Abercorn, N. Rhodesia, **Broadley & Pitman**; pl. 13 ecology and distribution, W. Africa, **Cansdale**; *C. r. ? maculatus* Stanley Pool and Limete, Congo, **Skelton-Bourgeois (2).**

Cerastes Laurenti 1768 proposed suppression, this name to be placed on the Official Index of Rejected Generic Names; *Cerastes* Wagler 1830 type-sp. *Coluber cerastes* Linnaeus 1758, proposed validation, **Schmidt, Pope & Loveridge.**

Cerastes cerastes histology of macrothyrocytes, **Gabe**; supra renal histology, **Gabe & Martoja.**

Cerastes cornutus pl. 15, ecology and distribution W. Africa, **Cansdale.**

Cerastes vipera histology of macrothyrocytes, **Gabe**; supra renal histology, **Gabe & Martoja.**

Crotalus spp., from Mexico ecology, **Duellman**; venom apparatus and nature of venom; treatment of bite, **Russell (2)**; physiopharmacologic properties of venom, **Russell, Michaelis & Buess**; of Arizona general ecology, **Williams, K. L. (1).**

Crotalus adamanteus rattle string segment numbers, **Campbell, H.**; venom, studies on cooling measures following injection into mice, **Emery & Russell**; antivenin and antitoxin in the treatment of experimental rattlesnake venom intoxication, **Fischer, Ramsey, Simon & Gennaro**; venom producing parasympathetic inhibition, **Gennaro, jr. & Casey**; phospholipase activity of venom, **Gennaro jr. & Hood**; quantities of venom introduced in each bite, **Gennaro jr., Leopold & Merriam**; toxicity of venom for mice and frogs, **Hall & Gennaro, jr.**; toxicity of orally administered venom, **Kelley & Gennaro, jr.**; venom injected into rabbits and effects observed, **Russell & Emery (1)**; effects of venom on neuromuscular transmission, **Russell & Long**; electrophoretic studies of venom, **Strauss & Grunbaum.**

†*Crotalus adamanteus* Pleistocene of Florida U.S.A., **Holman (1).**

Crotalus atrox histology of fundic glands, **Allen & Lhotka, jr. (1)**; polysaccharide localization in the fundic glands, **Allen & Lhotka, jr. (2)**; in Brewster Co., Texas, **Axtell (5)**; action of venines on hematitis, **Balozet**; distribution, ecology Hidalgo Co., Mexico, **Bogert & Degenhardt**; unusually long rattle string—15 segments long (incomplete string), **Campbell, H.**; phospholipase activity of venom, **Gennaro, jr. & Hood**; quantities of venom introduced in each bite, **Gennaro, jr., Leopold & Merriam**; enzymatic constitution of saliva, **Hegeman**; vascular histology and polysaccharide histochemistry, **Lhotka & Allen**; ecology, behaviour and venom, Big Bend region, Texas, **Minton**; venom injected into rabbits and effects observed, **Russell & Emery (1)**; effects of venom on neuromuscular transmission, **Russell & Long**; *C. a. atrox* enzyme activity and biochemical studies of venom, **Jiménez-Porras.**

†*Crotalus atrox* Pleistocene, Friesenhahn Cave, Texas, **Mecham.**

Crotalus cerastes rattle string segment numbers, **Campbell, H.**; range, description, habits, figs., Los Angeles, **Hill, H. R.**; electrophoretic studies of venom, **Strauss & Grunbaum.**

Crotalus durissus tzabcan new record, San Augustin Forestry Station, Cayo District, British Honduras, **Fugler.**

Crotalus horridus effects of venom on neuromuscular transmission, **Russell & Long**; *C. h. horridus* distribution in Ohio, **Adler (2)**; Franklin Co., Ohio, **Adler (3)**; photo., general note, **Conant (4)**; from Adams Co., Ohio, measures 49½ ins. [rattle excluded] [previous record 47½ ins.], **Magee**; *C. h. horridus* × *atricaudatus* Jackson Co., Illinois, photo., ecology, **Smith, P. W.**; *C. h. horridus* from Allegany State Park, **Stewart.**

Crotalus lepidus klauberi ecology and distribution, Hidalgo Co., Mexico, **Bogert & Degenhardt**; *C. l. lepidus* in Brewster Co., Texas, **Axtell (5)**; ecology, behaviour and venom, Big Bend region Texas, **Minton.**

Crotalus m. molossus in Brewster Co., Texas, **Axtell (5)**; ecology and distribution, Hidalgo Co., Mexico, **Bogert & Degenhardt**; ecology, behaviour and venom, Big Bend region Texas, **Minton.**

Crotalus ruber electrophoretic studies of venom, **Strauss & Grunbaum**; *C. r. ruber* bite, symptoms and treatment, **Clarke**; feeding behaviour, **Dullemeijer.**

Crotalus sculpturatus, effect of venom on neuromuscular transmission, **Russell, O'Brien & Inaba.**

Crotalus scutulatus ecology and distribution, Hidalgo Co., Mexico, **Bogert & Degenhardt**; birth season and study of young, **McCoy (1)**; ecology, behaviour and venom, Big Bend region, Texas, **Minton**; effect of venom on neuromuscular transmission, **Russell, O'Brien & Inaba**; *C. s. scutulatus* range, description, habits figs., Los Angeles, **Hill, H. R.**

Crotalus terrificus experiments on venom, **Ferraresi**; effect of venom on neuromuscular transmission, **Russell, O'Brien & Inaba**; *C. t. crotaminicus* from S. America, general notes, **Barrio (1)**; *C. t. terrificus* venom producing intermediate nephron nephrosis in the dog, **Amorim, Mello & Saliba.**

Crotalus viridis helleri preparation of antivenin in rabbits and its clinical use, **Russell (1)**; *C. v. oreganus* range, description, habit figs., Los Angeles, **Hill, H. R.**; *C. v. viridis* ecology and distribution, Hidalgo Co., Mexico, **Bogert & Degenhardt**; new record Buffalo Pasture, Finney Co., Kansas, **Diener, R. A. (1)**; ecology, behaviour and venom, Big Bend region Texas, **Minton.**

Crotalus willardi silus figs., from New Mexico, habitat in the Animas Mts., variations, feeding habits in captivity and general ecology, distribution, **Bogert & Degenhardt.**

Echis carinata, Devagiri, Calicut Malabar coast, S. of Karwar, first record for this area, **Adiyodi (2)**; pl. 15, ecology and distribution, W. Africa, **Cansdale**; food habits and difficulty of rearing, **Deoras & Vad.**

Echis colorata venom tested on animal cells *in vitro*, **Gaertner, Goldblum, Gitter & Vries**; mouse toxicity of venom, effect of heating on venom, **Perlmutter-Moroz, Goldblum, Gitter & Vries.**

Lachesis muta, "air-conditioned" bushmaster in captivity, so far 14 months 7 days, **Dowling (3).**

Pseudocerastes fieldii venom tested on animal cells *in vitro*, **Gaertner, Goldblum, Gitter & Vries**; neurotoxic venom, mouse toxicity of venom, **Perlmutter-Moroz, Goldblum, Gitter & Vries.**

Sistrurus catenatus new record, Meade Co., State Park, Kansas, **Diener, R. A. (1)**; distribution and habits in north west Texas, **Knopf & Tinkle**; *S. c. catenatus* female with the proximal ten and last distal scutes divided of the 25 subcaudals, **Adler (2)**; range, habitat and habits in Michigan; colour photo., **Fowler**; Piatt Co., Illinois, photo., ecology. **Smith, P. W.**

Trigonocephalus lancifer Oken 1816 proposal to place the specific name on the Official Index of Rejected and Invalid Names due to invalidation of Oken's "Lehrbuch der Naturgeschichte," **Savage.**

Trimeresurus spp., key, distribution Philippine Islands, **Leviton (2).**

Trimeresurus albolabris venom and treatment, **Keegan.**

Trimeresurus elegans venom and treatment, **Keegan.**

Trimeresurus flavoviridis venom and treatment, **Keegan.**

Trimeresurus gramineus venom and treatment, **Keegan.**

Trimeresurus mucrosquamatus venom and treatment, **Keegan.**

Trimeresurus okinavensis venom and treatment, **Keegan.**

Trimeresurus popeorum venom and treatment, **Keegan.**

Trimeresurus stejnegeri venom and treatment, **Keegan.**

Trimeresurus s. sumatranus from Sumatra and Malaya, **Coomans de Ruiter, L.**

Trimeresurus wagleri venom and treatment, **Keegan**; *T. w. wagleri* from Sumatra and Malaya, **Coomans de Ruiter, L.**

Vipera ammodytes embryonic pigments and development of adult colouration, **Fioroni**; statistical study Black Sea region, **Stugren & Rădulescu**; swimming ability, **Tercafs (2)**; ecology and reproduction, **Thomas**; *V. a. ammodytes*, Roumania, figs., distribution and ecology, **Fuhn & Vancea (1)**; comparative testing of serum against poison, **Nedjalkov**; electrophoretic and chromatographic analysis of venom, **Nedjalkov & Nashkowa**; *V. a. meridionalis* Corfu, **Mertens (2)**; *V. a. montandoni* Roumania, figs., distribution and ecology, **Fuhn & Vancea (1).**

Vipera aspis glycaemia and pancreatic histology, **Agid, Duguy & Saint Girons**; influence of temperature and endocrine factors in glycoregulation, **Agid, Duguy et al**; experimental action of venine on hematitis, **Balozet**; in the vicinity of Richlieu, list of parasites, **Dollfus**; figs., embryonic pigment patterns and development of adult colouration, **Fioroni**; proteic secretion of the epididymis, **Furieri**; histology of macrothyrocytes, **Gabe**; histochemistry of the adenohypophysis, **Gabe & Saint Girons**; seasonal variations in blood composition, **Izard, Detrait & Boquet**; adrenal gland histology and cycles, figs., **Martoja, Duguy & Saint-Girons**; protein and RNA content of stomach gland cells, **Romanini (2)**; histochemistry of the reproductive tract during sexual cycles, **Saint Girons, H. (1)**; evolution of cells in the adenohypophysis during embryonic and postembryonic development, **Saint Girons, H. (2)**; *V. a. aspis*, Provence, general study, **Knoepffler, L.-P. (1).**

Vipera berus case of bite with thrombosis of the saphenous vein, **Arneil & Maclaurin**; third commonest reptile in a survey of Porthbean Beach and Portscatho, Cornwall, **Burrage**; modifications of the coprodaeum to conserve water in deserts, **Chew, R. M.**; embryonic pigment patterns and development of adult colouration, **Fioroni**; histology of macrothyrocytes, **Gabe**; in S. Limburg, Netherlands, **Horst**; Orla river region, S. Germany, **König**; hibernation burrow in the Lena valley near Yakutsk, Siberia, **Larionov**; records from Dorset for 1960, **Prestt, I.**; blood composition and thyroid activity at various sloughing and intermoult stages, **Saint Girons, M.C.**; from the Kalinin district, general ecology, **Shaposhnikov, Golovin, Sorokin & Tarakanov**; rearing young born in terraria, **Sievers**; statistical study, Black Sea region, **Stugren & Rădulescu**; swimming ability, **Tercafs (2)**; *V. b. berus* records from NW Kent, **Edwards**; Roumania figs., distribution and ecology, **Fuhn & Vancea (1)**; figs, key, distribution in Poland, **Młynarski (2)**; with 2 separate heads—fig., **Steward (1)**; *V. b. bosniensis* Roumania, figs., distribution and ecology, **Fuhn & Vancea (1)**; first record for Roumania, eastern Carpathians, **Vancea & Banyai.**

Vipera hindii Boulenger 1910 belongs to the *Bitis atropos-worthingtoni-cornuta* group (Kramer 1961), **Kramer (3).**

Vipera kasnakovi evolution, variation, sexual dimorphism, **Kramer (3).**

Vipera palestinae venom *in vivo* producing deformation of red blood cells, **Danon, Gitter & Rosen**; venom tested on animal cells *in vitro*, **Gaertner, Goldblum, Gitter & Vries**; venom secretion quantitative study, **Kochva**; mouse toxicity of venom and chromatographic fractions, **Perlmutter-Moroz, Goldblum, Gitter & Vries.**

Vipera russelli haemolysins of venom, **Doery & Pearson**; venom, treatment and general notes, Far East, **Keegan**; venom study, **Klobusitzky**; mode of action of venom in blood coagulation, **Nath.**

Vipera superciliaris Peters 1854 belongs to the *Bitis atropos-worthingtoni-cornuta* group (Kramer 1961), **Kramer (3).**

Vipera ursinii Roumania figs., distribution and ecology, **Fuhn & Vancea (1)**; revision of the species, **Kramer (3)**; in the northern Prearal region, U.S.S.R., **Shilov**; statistical study, Black Sea region, **Stugren & Rădulescu**; *V. u.*

rákosiensis Roumania, figs., distribution and ecology, **Fuhn & Vancea (1)**; from the Dunube basin, **Kramer (3)**; *V. u. renardi* Roumania, figs., distribution and ecology, **Fuhn & Vancea (1)**; *V. u. renardi* (Christoph 1861) = *V. berus dinniki* Nikolskij 1913, evolution, variation, sexual dimorphism, growth and taxonomy, **Kramer (3)**; Letea and Sărături, Danube delta, taxonomic study, **Stugren (2)**; *V. u. ursinii* from the Balkans, Italy and France, **Kramer (3)**; *V. u. wettsteini* Provence general study, **Knoepffler, L. P. (1)**.

Berus [=*Vipera*] Oken 1816, proposal to place this name on the Official Index of Rejected and Invalid Generic Names and *B. oryzicola* Oken 1816, on the Rejected and Invalid Specific Names Index due to invalidation of Oken's "Lehrbuch der Naturgeschichte," **Savage.**

XENOPELTIDAE

Xenopeltis unicolor evolution of trunk musculature, **Auffenberg (2)**; intercostal arteries, **Brongersma (1)**.

ARCHOSAURIA

†ORDER THECODONTIA

Thecodontia, author's new systematic scheme, division into 4 suborders, Proterosuchia, Ornithosuchia, Desmatosuchia and Parasuchia, **Reig (2)**.

Aetosauroides **gen. nov.** p. 3 of Aetosauridae (?), Stagonolepoidea type species *A. scagliai* **sp. nov.** p. 4, text-figs. 1, 2; Mesotriassic, Ischigualasto, San Juan, Argentina, **Casamiquela.**

Aëtosaurus crassicauda Triassic Pfaffenhofen, affinities discussed, **Walker.**

Aëtosaurus ferratus, Heslach near Stuttgart, Keuper Triassic, revision, affinities discussed (Aëtosauridae), **Walker.**

Archosaurus **gen. nov.** p. 74, of Pseudosuchia, type-sp. *A. rossicus* **sp. nov.** p. 75, text-figs. 1–6; Upper Permian, Vyazniki, Vladimirskaya Oblast, U.S.S.R., **Tatarinov (1)**.

Argentinosuchus **gen. nov.** p. 4 of Stagonolepidae (?) Stagonolepoidea; type species *A. bonapartei* **sp. nov.** p. 4, text-figs. 3–5; Mesotriassic, Ischigualasto, San Juan, Argentina, **Casamiquela.**

Chasmatosuchus? vjushkovi **sp. nov.** p. 164, text-fig. 1; Trias, Orenburg, Orenburgskaya Province, Pre Urals, **Ochev.**

Chirotherium figs., history, validity of the species, classification, **Swinton (2)**.

Dasygnathus longidens, Findrassie, Trias, affinities discussed, **Walker.**

Desmatosuchia auct. are the stagonolepoid pseudosuchids of the system of Hoffstetter to include Aetosauridae and Stagonolepidae, **Reig (2)**.

Desmatosuchus haplocerus (Cope) [= *D. spurensis* Case], conspecific with *Episcoposaurus haplocerus* (Cope 1892); [*Episcoposaurus* = junior synonym of *Typothorax*]; Crosby Co., Texas, affinities (Aëtosauridae), **Walker.**

Ornithosuchia auct. are the ornithosuchoid elachistosuchoid and sphenosuchoid pseudosuchids of the system of Hoffstetter, to include Euparkeriidae, Ornithosuchidae, Erpetosuchidae, Rhadinosuchidae, Rauisuchidae, Stegomosuchidae Scleromochilidae Sphenosuchidae, Pedeticodauridae and Elachistosuchidae, **Reig (2)**.

Pachysuchus **gen. nov.** pp. 7, 25 of Parasuchia, type-sp. *Pachysuchus imperfectus* **sp. nov.** p. 25, text-fig. 5; S.W. of Huangchiatien, Dark Red Beds of the Lower Lufeng Series, China, **Young (1)**.

Palaeorhinidae **fam. nov.** p. 41, Thecodontia, Parasuchia, **Kuhn (2)**.

Parasuchia auct. to include the Phytosauridae Lydekker 1888, **Reig (2)**.

Phytosaurus maleriensis figs. Maleri fauna, Trias India, **Colbert (1)**.

Proterosuchia auct. are the proterosuchoid pseudosuchids of the system of Hoffstetter to include Proterosuchidae, Erythrosuchidae, Garjainiidae and Vjushkoviidae, **Reig (2)**.

Rauisuchidae, Trias, Argentina comprises the genera *Rauisuchus* and *Prestosuchus* Brazil; *Stagonosuchus* E. Africa; and *Saurosuchus*, Argentina, **Reig (2)**.

Saurosuchus **gen. nov.** p. 264, Ornithosuchoidae, type species *S. galilei* **sp. nov.** p. 265, text-figs. 3–6; Ischigualasto San Juan Prov., Argentina, Trias, **Reig (1)**.

Seemannia **gen. nov.** p. 112 of Pseudosuchia *S. palaeotriadica* **sp. nov.** p. 112, text-fig. 1. Triassic, Black Forest, Germany, **Huene (4)**.

Stagonolepis robertsoni, Lossiemouth, Trias, affinities discussed, (Aëtosauridae), **Walker.**

Typothorax meadei, Howard Co., Texas, Dockum formation, affinities discussed (Aëtosauridae), **Walker.**

Vjushkovia **gen. nov.** p. 105 of Pseudosuchia, genotype *V. triplicostata* **sp. nov.** p. 105, text-figs, 1–3; pls. 11–15; Trias, Orenburg Germany, **Huene (7)**.

ORDER CROCODYLIA

General Fossil.—Crocodile fragments from Robion near Castellane, **Debelmas & Demians d'Archimbaud.**

Alligator growth formulae, **Fukada.**

Alligator mississippiensis water metabolism, **Chew, R. M.**; reduction of population after fires in Okefenokee swamp, **Cypert**; effect of ryanodine on muscle, **Haslett & Jenden**; effect of diet, glucose administration and temperature on blood sugar, **Miller, M. R.**; regulation of respiratory movements, **Serfaty & Peyraud**; analysis of thyroid activity, **Waterman (1)**.

†*Araripesuchus* **gen. nov.** p. 14, Notosuchidae, type species *A. gomesii* **sp. nov.** p. 15, text-figs. 1C, 2A, 3A, 4A, B, pls. 1–4; Chapada do Araripe, Ceará State Brazil, Cretaceous, **Price (2)**.

†*Crocodylus* sp. Miocene, E. of Fedala, Morocco, **Destombes, Jeannette & Lapparent.**

Crocodylus acutus in a mangrove swamp in British Honduras within the city limits of Belize, **Neill & Allen (1)**; *C. acutus acutus* Boca de Apiza, Playa Azul, Mexico, ecology, **Duellman.**

Crocodylus cataphractus Kinkole region, Congo, **Skelton-Bourgeois (2)**.

Crocodylus niloticus ecological and economic study in Uganda and N. Rhodesia, **Cott**; thyroid gland activity and production of macrothyrocytes, **Gabe**; ♀ sex reversal by injections of testosterone propionate, **Godet**; died of hepatitis in the "Jardin des Plantes," **Nouvel, Strazielle & Chauvier**; annual growth zones, **Peabody**; history and replacement of teeth, **Poole**; structure and function of hypophysis, **Saint Girons, H. (3)**; from Oued Archei near Fada in the Ennedi Mountains, **Wake & Kluge.**

Crocodylus novaeguineae New Guinea, ecology, **Schultze-Westrum.**

Crocodylus palustris from lakes in Rajasthan desert, India, **Krishna & Dave (2)**.

Crocodylus porosus myology of pelvis and hind limbs figs., **Kriegler;** specialized conducting fibres in the heart, **Prakash & Mowar (1);** from New Guinea, ecology, **Schultze-Westrum.**

Crocodylus sinensis pectoral girdle osteology, figs., **Friant.**

†*Dacosaurus lapparenti* **sp. nov.** p. 89, pls. I–IV; Neocomian, Cretaceous, La Martre (Var). France, **Debelmas & Strannoloubsky.**

†*Diplocynodon* (?) *marini* Oligocene, Sannoisian, Talladel (Tárrega) Spain, **Bergounioux (3).**

†*Dyrosaurus phosphaticus* skull fragment, Bou Jniba, Khouribga, Morocco, Ypresian, **Ennouchi.**

†*Enaliosuchus schröderi* Cretaceous, Germany, **Sickenberg.**

†*Euthecodon nitriae* from the Tertiary of Libya, **Arambourg & Magnier.**

Gavialis gangeticus detailed anatomy of skull, **Prasad (4).**

†*Hispanochampsa mülleri* fig. 3; Oligocene, Tárrega, Catalogne, Spain, **Bergounioux (3).**

†Hsisosuchidae **fam. nov.** p. 97 for *Hsisosuchus* **gen. nov.** q.v., **Young & Chow.**

†*Hsisosuchus* **gen. nov.** p. 97 of Hsisosuchidae **fam. nov.** genotype *H. chungkingensis* **sp. nov.** p. 97, text-figs. 6–8; pl. 7, figs. 1, 2; pl. 8, fig. 1; Szechuan, China, Mesozoic, **Young & Chow.**

†*Metriorhynchus* from the Jurassic, Waast, N. France, **Dubar;** imperfect skull and three cervical vertebrae from Ardèche France, Callovian, **Kuhn-Schnyder (3).**

†*Microchampsa* **gen. nov.** pp. 8, 31 of Protosuchia, type-sp. *M. scutata* **sp. nov.** p. 31, text-fig. 6, Dark Red Beds of the Lower Lufeng Series, Hungchiatien Lufeng, Yunnan China, **Young (1).**

†*Mystriosaurus bollensis*, from the Jurassic of Holzmaden Germany, **Prufer.**

†*Mystriosaurus senkenbergianus* nomenclatorial status, **Malz.**

†*Notosuchus lepidus* **sp. nov.** p. 48, 4 pls; Mesozoic, Old Red Sandstone of Neuquen, Argentine, **Saez.**

†*Notosuchus terrestris* Argentine skull compared with *Araripesuchus gomesii* gen. and sp. nov. Brazil, **Price (2).**

†*Platysuchus* **gen. nov.** p. 213, Crocodilia fig. 3; type species *P. multiscrobiculatus* (Berckhemer 1929) Holzmaden, Germany, Lias, **Westphal.**

†*Proterochampsa* **gen. nov.** p. 259 Protosuchia? type species *P. barrionuevoi* **sp. nov.** p. 260, text-figs. 1, 2; Ischigualasto, San Juan Prov., Argentina, Trias, **Reig (1).**

†*Shantungosuchus* **gen. nov.** pp. 6, 9; type species *S. chuhsienensis* **sp. nov.** pp. 6, 9. 2 pls. Upper Jurassic, Chuhsien, Shantung, China, **Young (7).**

†*Steneosaurus gracilirostris* **sp. nov.** p. 211, fig. 2; Whitby, Yorkshire, Lias, **Westphal.**

†*Telosaurus* sp. crocodile plastron from Tatsu, Szechuan; affinities with *T. cadomensis* Bathonian, Europe; this is the first record of Telosauridae (Mesosuchia) in Asia, **Liu.**

†*Tomistoma lusitanica*, Miocene, Lisbon, Portugal, first record from France, evolution, habitat and ecology, **Antunes (1).**

†*Uruguaysuchus aznarezi*, Uruguay, skull compared with *Araripesuchus gomesii* gen. & sp. nov. Brazil, **Price (2).**

†*Uruguaysuchus terrai*, Uruguay, skull compared with *Araripesuchus gomesii* Brazil, **Price (2).**

†ORDER PTEROSAURIA

Pterosauria, Mesozoic, figs., general study and evolution, **Augusta & Burian.**

Campylognathus zitteli fig. Jurassic, Holzmaden, Württemberg, **Augusta & Burian.**

Dorygnathus banthensis figs., Jurassic, Holzmaden, Württemberg, **Augusta & Burian.**

Pteranodon ingens reconstruction at the "Haus der Natur," Salzburg, Austria, **Tratz.**

Pterodactylus elegans figs., Jurassic, Zandt, Bavaria, **Augusta & Burian.**

Pteodactylus kochi figs., Jurassic, Zandt, Bavaria, **Augusta & Burian.**

Pterodacytylus Oken 1816 (also spelled *Petrodactylus*) homonym of *Pterodactylus* Rafinesque 1815; proposal to place Oken's name on Official Index of Rejected and Invalid Generic Names due to invalidation of Oken's "Lehrbuch der Naturgeschichte," **Savage.**

Rhamphorhynchus gemmingi fig., Jurassic, Solnhofen Bavaria, **Augusta & Burian.**

Rhamphorhynchus phyllurus fig., Eichstätt, Bavaria, **Augusta & Burian.**

Scaphognathus crassirostris fig., Jurassic, Solnhofen, Bavaria, **Augusta & Burian.**

Titanopteryx **gen. nov.** p. 234, type sp. *T. philadelphiae* **sp. nov.** p. 234, text-figs. 1, 2; Roseifa, Jordan; Maestrichtian, Cretaceous, **Arambourg** *in* **Arambourg, Dubertret, Signeux & Sornay.**

†ORDER SAURISCHIA

Barosaurus africanus & *B. a. gracile* limb bones from the Tendaguru beds. **Janensch (1).**

Brachiosaurus brancai limb bones from the Tendaguru beds, **Janensch (1).**

Dicraeosaurus hansemanni limb bones from the Tendaguru beds, **Janensch (1).**

Dicraeosaurus sattleri limb bones from the Tendaguru beds, **Janensch (1).**

Gyposaurus sinensis red beds, Lufeng, Yunnan Province, China, **Hu.**

Lufengosaurus huenei, red beds, Lufeng, Yunnan Province China, **Hu.**

Lufengosaurus magnus red beds, Lufeng, Yunnan Province, China, **Hu.**

Mamenchisaurus constructus **sp. nov.?** 6 figs; new to Yiping, Szechuan, China, Cretaceous?, **Young (2).**

Poposaurus gracilis new description and analysis, here considered a theropod dinosaur from the Little Popo Agie River near Lander, Fremont Co. Wyoming; Triassic Chugwater formation, **Colbert (2).**

Sinosaurus triassicus red beds, Lufeng, Yunnan Province China, **Hu.**

Tornieria robusta limb bones from the Tendaguru beds, **Janensch (1).**

Yunnanosaurus huangi, red beds, Lufeng, Yunnan Province, China, **Hu.**

Yunnanosaurus robustus, red beds, Lufeng, Yunnan Province, China, **Hu;** *Y. robustus* **sp. nov.** pp. 11, 58, text-figs. 12. 13 & 14; pls. VII–XI; Dark Red Beds of Lower Lufeng Series, Upper Triassic; Huangchiatien Luefng, Yunnan, **Young (1).**

†ORDER ORNITHISCHIA

Anatosaurus annectens, cranial morphology, N. America, **Ostrom (1).**

Anatosaurus copei cranial morphology, **Ostrom (1).**

Anatosaurus edmontoni cranial morphology, **Ostrom (1).**

Anatosaurus longiceps cranial morphology, **Ostrom (1).**

Anatosaurus saskatchewanensis cranial morphology, **Ostrom (1).**

Ankylosauria from the Gobi desert, note, **Roshdestwenski.**

Brachylophosaurus canadensis cranial morphology, N. America, **Ostrom (1).**

Cheneosaurus tolmanensis cranial morphology, N. America, **Ostrom (1).**

Corythosaurus bicristatus cranial morphology, **Ostrom (1).**

Corythosaurus brevicristatus cranial morphology, **Ostrom (1).**

Corythosaurus casuarius cranial morphology, N. America, **Ostrom (1).**

Corythosaurus excavatus cranial morphology, **Ostrom (1).**

Corythosaurus frontalis cranial morphology, **Ostrom (1).**

Corythosaurus intermedius cranial morphology, **Ostrom (1).**

Dysalotosaurus lettow-vorbecki skeleton reconstruction fig., **Janensch (2).**

Edmontosaurus regalis cranial morphology, N. America, **Ostrom (1).**

Hypacrosaurus altispinus cranial morphology, N. America, **Ostrom (1).**

Iguanodon general notes, ecology, habits, **Boulenger.**

Kritosaurus incurvimanus cranial morphology, **Ostrom (1).**

Kritosaurus navajovius cranial morphology, **Ostrom (1).**

Kritosaurus notabilis cranial morphology, N. America, **Ostrom (1).**

Lambeosaurus clavinitialis cranial morphology, **Ostrom (1).**

Lambeosaurus lambei cranial morphology, N. America, **Ostrom (1).**

Lambeosaurus magnicristatus cranial morphology, **Ostrom (1).**

Parasaurolophus cyrtoc. istatus cranial morphology, **Ostrom (1);** *P. cyrtocristatus* **sp. nov.** p. 575, text-fig. 1a; Cretaceous, Coal Creek, McKinley County, New Mexico, **Ostrom (2).**

Parasaurolophus walkeri cranial morphology, N. America, **Ostrom (1).**

Procheneosaurus cranibrevis cranial morphology, **Ostrom (1).**

Procheneosaurus erectrofrons cranial morphology, **Ostrom (1).**

Procheneosaurus praeceps cranial morphology, N. America, **Ostrom (1).**

Prosaurolophus maximus cranial morphology, N. America, **Ostrom (1).**

Saurolophus osborni cranial morphology, N. America, **Ostrom (1).**

Tsintaosaurus spinorhinus notes on new material, **Zhen & Wang.**

Yangtzepus yipingensis, skin imprint from footprints at Szechuan figs., **Young (8).**

SYNAPSIDA

†ORDER PELYCOSAURIA

Clepsydrops ? magnus **sp. nov.** & holotype p. 3, text-fig. 1; Pennsylvanian Pittsburgh region, Pennsylvania, **Romer, A. S. (1).**

†ORDER THERAPSIDA

Akidnognathus parvus figs. 36, 37; Zuurpoort, Graff-Reinet District; *Cistecephalus* zone beds, S. Africa, **Brink (2).**

Archaeosyodon **gen. nov.** p. 85 of Brithopodidae, type sp. *Archaeosyodon praeventor* **sp. nov.** p. 7; fig. 3; Ezhovo, Permskaya Oblast, U.S.S.R., Upper Permian, **Chudinov.**

Biarmosuchus **gen. nov.** p. 84, of Eotitanosuchidae **fam. nov.** q.v., type sp. *Biarmosuchus tener* **sp. nov.** p. 84, fig. 2; Ezhovo, Permskaya Oblast U.S.S.R., Upper Permian, **Chudinov.**

Daptocephalus leoniceps skull and other osteological details, **Ewer.**

Deinocephalia from the Upper Permian, middle Volga U.S.S.R., **Orlov (1).**

Dicynodon bolorhinoides **sp. nov.** p. 181, text-figs. 18, 19, Karroo Permian, Kuilspoort near Beaufort West, S. Africa, **Watson.**

Diictodon sesoma **sp. nov.** pp. 136, 142 text-figs. 2, 7C, 12D, E, 13D, 14D, E, 15B, 17D, E, 23B, Karoo, Permian; Buffels River on the main road from Murraysburg to Nelspoort, Orange Free State, **Watson.**

Diictodontoides **gen. nov.** pp. 136, 143, *D. skaios* **sp. nov.** pp. 136, 143; text-figs. 3, 7B, 12F, G, 13E–H, 14F, G, 15C, 17F, G. 20A, 22D, 23A, Karroo, Permian; Commonage, 4 miles N. of Murraysburg, Cape Province, **Watson.**

Eotitanosuchidae **fam. nov.** p. 81 of Titanosuchidia for *Eotitanosuchus* **gen. nov.** q.v. p. 82 Upper Permian, Ezhovo Permskaya Oblast U.S.S.R. and *Biarmosuchus* **gen. nov.** q.v. p. 84, **Chudinov.**

Eotitanosuchus **gen. nov.** p. 82 of Eotitanosuchidae **fam. nov.** q.v. type sp. *Eotitanosuchus olsoni* **sp. nov.** p. 82, text-fig. 1; Upper Permian, Ezhovo, Permskaya Oblast U.S.S.R., **Chudinov.**

Estemmenosuchidae **fam. nov.** p. 86, of Titanosuchia for *Estemmenosuchus* **gen. nov.** q.v. p. 87, Upper Permian, Permskaya Oblast U.S.S.R., **Chudinov.**

Estemmenosuchus **gen. nov.** p. 87 of Estemmenosuchidae **fam. nov.** q.v. type sp. *Estemmenosuchus uralensis* **sp. nov.** p. 87, fig. 4; Upper Permian, Permskaya Oblast U.S.S.R., **Chudinov.**

Ictidostoma spp. from the *Endothiodon* and *Cistecephalus* zones S. Africa figs., **Brink (2).**

Keratocephalus skull described, **Boonstra (1).**

Keratocephalus moloch skull figured, **Boonstra (1).**

Lystrosaurus klimovi pl. 51, fig. 4, Trias, Russia, **Ryabinin** *in* **Kiparisova** [Editor].

Mormosaurus skull characters described, **Boonstra (1).**

Mormosaurus seeleyi skull figured, **Boonstra (1).**

Oligokyphus angular process of the dentary, evolution, structure and function, **Parrington (2)**.

Ordosiodon **gen. nov.** pp. 109, 111 Diademodontidae type species *O. lincheyüensis* **sp. nov.** pp. 109, 111; pl. 1 A–D; Triassic, Lincheyüe, Paote NW Shansi, **Young (9)**.

Otsheria **gen. nov.** p. 90 of Otsheriinae **subfam. nov.** q.v. type sp. *Otsheria netzvetajevi* **sp. nov.** p. 91. fig. 5; Upper Permian, Permskaya Oblast, U.S.S.R., **Chudinov.**

Otsheriinae **subfam. nov.** p. 90 of Venjukoviinae Efremov 1940, for *Otsheria* **gen. nov.** q.v. Upper Permian, Permskaya Oblast U.S.S.R., **Chudinov.**

Parakannemeyeria **gen. nov.** p. 68, of Kannemeyeriidae, type species *P. dolichocephala* **sp. nov.** p. 68, text-figs. 1–11; 2 pls. Triassic, Ta-Chang, Ning-Wu, Shansi Province China, **Sun (1)**.

Pelosuchus note on dentary and teeth, **Boonstra (1)**.

Phocosaurus skull characters described, **Boonstra (1)**.

Phocosaurus megischion skull figured, **Boonstra (1)**.

Scalopocynodon **gen. nov.** p. 128 of Silphedestidae genotype *Scalopocynodon gracilis* **sp. nov.** p. 128, figs. 33–35; from the base of the *Cistecephalus* zone, Uitspanfontein, Beaufort West district, S. Africa, **Brink (1)**.

Shansiodon **gen. nov.** p. 187 of Dicynodontidae genotype *S. wangi* **sp. nov.** p. 187, text-figs. 1–8; pls. 1, 2, 6; L. Trias, Hsiao-tu-kou, Yin-chiao, Yu-she, Shansi, China; *S. wuhsiangensis* **sp. nov.** p. 197, text-figs. 9–11, pls. 3–5; L. Trias, Pei-pang-ting, Shih-pi, Wuhsiang, Shansi China, **Yeh (1)**.

Tapinocephalus skull characters of genus described, **Boonstra (1)**.

Tapinocephalus atherstonei skull figured, **Boonstra (1)**.

Taurops note on snout and teeth, **Boonstra (1)**.

Thrinaxodon dentary structure, **Parrington (2)**.

Thrinaxodon liorhinus cranial anatomy from the lower Triassic Karroo beds of S. Africa. **Estes (1)**.

†ORDER ICTIDOSAURIA

Likhoelia **gen. nov.** p. 3854, text-fig. (p. 3853) Tritylodontia; type sp. *L. ellenbergeri* **sp. nov.** p. 3854, Trias, Mafeteng Basutoland, S. Africa, **Ginsburg.**

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